



# Bulletin

of the

## Native Plant Society of Oregon

*Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats*

VOLUME 49, NO. 1

FEBRUARY 2016

### 2016 NPSO Annual Meeting July 15–17 The McKenzie River Conference Center

The 2016 NPSO Annual Meeting will be hosted by the Emerald Chapter July 15–17 along the beautiful McKenzie River, 47 miles east of Eugene-Springfield. The venue is the McKenzie River Conference Center, owned and operated by the United States Basketball Academy (USBA).

#### Location

The Conference Center is located along the McKenzie Highway (Hwy 126) at Rainbow (mile post 47) between Blue River and McKenzie Bridge. To access the property, turn north from Hwy 126 at the covered gate flanked by United States Basketball Academy signs.

#### History of the Facility

The USBA began its primary

operations at the current facility in 1997. The original working name was the National Basketball Academy until Bruce O'Neil, owner, and the late Wilt Chamberlin had a discussion sitting on a tree stump on the current property. They decided to replace National with United States and the USBA was born. The organization was primarily formed to build a basketball camp on 46 acres of prime recreation property along the McKenzie River (USBA website: [usbausa.com](http://usbausa.com)).

#### Registration

A printable Registration Form with meal, lodging and cost options will be posted on the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), as soon as available. A hard copy Registration Form will be inserted in the



TANYA HARVEY

March NPSO *Bulletin*. Deadline for priority registration at reduced cost is April 30. Registration on a first-come, first-served basis at regular cost will continue until June 15. Registrations received after June 15 will be placed on a wait list. Visit the Annual Meeting website on a regular basis to keep current with registration information.

*continued on page 7*

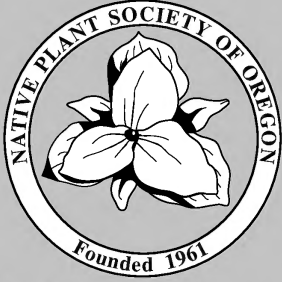


CHARLENE SIMPSON

*Gated entrance to USBA property*

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: `subscribe npsos`

### General Business Address

P.O. Box 902  
Eugene, OR 97440  
or correspond directly with Officers  
and Committee Chairs listed on the  
inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times  
per year. Subscription price speci-  
fied in Membership Form printed on  
inside back cover page of this issue.  
Date and issue number on page 1.

The submission date is the 10th  
of each month for the following  
month's issue except for the Aug/  
Sept issue which is July 24 and the  
Dec/Jan issue which is November  
24. Send submissions by e-mail to  
[bulletin@NPSOOregon.org](mailto:bulletin@NPSOOregon.org).

Opinions expressed in this publica-  
tion are those of the authors of the  
articles. They do not represent the  
opinions of the Native Plant Society  
of Oregon, unless so stated.

## October 2015 NPSO State Board Meeting Highlights

Linda Hardison, director of the Oregon Flora Project, announced that their Oregon Wildflowers app was updated this past summer. Updated taxonomy is also online: 20,000 new observations, 25,000 specimen added to the Checklist, 92% flora are represented with images.

Jason Clinch organized and shared a list of NPSO webpages and Facebook pages to assess our web presence and its potential as a recruitment tool. It was noted that it is good to have many outlets, as we do, with the suggestion of creating better links between all these outlets to help grow our web presence. The Board discussed having a shareable calendar program on the NPSO website. Various calendar options were noted and the Board created a committee to explore the options and present the best ones to the Board.

Kevin Weitemier gave an update on funding for the Oregon Department of Agriculture (ODA) plant conservation program. The program does not currently have funding to update the State Threatened and Endangered plant species list (last updated in 1995) or enforce the Oregon Endangered Species Act. They receive federal money to work on specific species and also received \$100,000 for this coming biennium, due to Esther McEvoy's efforts lobbying a key state legislator. The Board recommended that ODA give higher priority to updating the species list.

Cyndi Dion reported that the online payments system is now set up and the final testing should be completed soon. The Board approved authorization for Cyndi Dion and Sunia Yang to go live with the online payments.

The Filipendula Chapter has completed all steps for a new chapter on the northern Oregon coast. Their by-laws are the same as the Corvallis chapter. A Motion was made and passed to approve the by-laws and officially create the new Filipendula chapter.

## NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of director positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email ([daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu)) for more information.

## Grants for *Penstemon* Projects

The American Penstemon Society is seeking to fund small projects that focus on scientific or horticultural aspects of *Penstemon*, especially those that promote conservation or public appreciation. Grants of up to \$1000 are available. The deadline for application is March 31, 2016, with funds distributed in May. For more information, visit [apsdev.org](http://apsdev.org) or contact Dorothy Tuthill, [dtuthill@uwyo.edu](mailto:dtuthill@uwyo.edu).

## IT'S STILL RENEWAL TIME

The NPSO membership year is January to December.

If you haven't already renewed for 2016, check your address label on this *Bulletin*. If you see 2015 printed along the top of the label, you need to renew. Your membership will lapse if you do not send in your dues soon. Renew now to make sure you don't miss receiving NPSO publications.

NPSO brings you field trips, programs, classes, the *Bulletin*, and *Kalmiopsis*.

# NPSO CALENDAR

## State Notes

### NPSO State Board Meeting.

**April 23, Saturday, 10 am-2 pm**

Umpqua Valley Chapter will host our spring meeting. Location: Douglas County Natural History Museum, Roseburg.

### NPSO Annual Meeting 2016

**July 15-17, Friday-Sunday**

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty-minute drive from Eugene. Location: McKenzie River Conference Center, Rainbow, Oregon. For the most current information, visit the annual meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg).

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244.*

**February 10, Wednesday, 7 pm**

**Meeting: Details TBA.** Location: theater room of the Prodigal Son Brewery and Pub, 230 SE Court Avenue in Pendleton. Contact Bruce Barnes, 541-377-2634 for details.

**March 9, Wednesday, 7 pm**

**Meeting: Details TBA.** Location: theater room of the Prodigal Son Brewery and Pub, 230 SE Court Avenue in Pendleton. Contact Bruce Barnes, 541-377-2634 for details.

Stay tuned for field trips beginning in April.

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

**February 25, Thursday, 7 pm**

**Program: Extreme Rarity and Conservation Efforts to Preserve Hawaii's**

**Native Plants.** The Hawaiian Islands are perhaps the most remote and isolated oceanic islands on earth, and are often referred to as the extinction capitol of the world. Dr. Ed Guerrant, director of the Rae Selling Berry Seed Bank and Plant Conservation Program at Portland State University, will briefly describe the flora and some of the many ways people and organizations are recovering and preserving Hawaii's

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

native plants. Doors open at 6:45 pm for socializing. Meeting/Program starts at 7:00 pm. Location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.). Parking lot entrances on Adams and 2nd Streets. For more information contact: Lisa Blackburn, 503-538-3976 or [blackburnlisag@gmail.com](mailto:blackburnlisag@gmail.com).

**March 24, Thursday, 7 pm**

**Program: Green Streets, Planting Design and Concepts for Urban Stormwater Management.** Mark Akimoff, environmental program technician with the City of Keizer, will discuss removing pollutants with vegetated stormwater facilities, such as rain gardens, with a look at some of the native plants used in the facilities. Doors open at 6:45 pm for socializing. Meeting/Program starts at 7:00 pm. Location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.). Parking lot entrances on Adams and 2nd Streets. For more information contact: Lisa Blackburn, 503-538-3976 or [blackburnlisag@gmail.com](mailto:blackburnlisag@gmail.com).

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Jordan Brown at [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org) or 253-820-3934.*

**February 8, Monday, 7:30 pm**

**Meeting/Presentation: Caterpillars up Close.** Dr. Jeffrey Miller, an entomologist and emeritus professor at Oregon State University, will share some insight into the larval life stage of butterflies and moths. He will touch on how caterpillars function, some of their interesting adaptations for avoiding predation, their basic natural history with a focus on food-plant relationships, and the role of caterpillars in the environment within the context of global biodiversity and conservation. **Please note** this meeting is not in the usual location: Cordley Hall, room 2087, on

the Oregon State University campus. For more information contact Jordan Brown at 253-820-3934 or brownj@science.oregonstate.edu.

**February 13, Saturday, 8 am-4 pm**

**NPSO Table: Insights into Gardening.** The Corvallis NPSO Chapter will have an exhibit table at Insights into Gardening, a day-long seminar offering practical, hands-on learning. The event is hosted by the Benton County Master Gardener Association and is a great place to learn more about all things related to gardening. Cost: \$33-40. Location: LaSells Stewart Center on the Oregon State University campus. For information, visit [extension.oregonstate.edu/benton/insights](http://extension.oregonstate.edu/benton/insights).

**March 6, Sunday, 1-5 pm**

**Work Party: Avery Park.** Spring is coming, time to clean up the native plant garden. Come prepared for the weather and bring clippers, gloves, trowel and small shovel. Location: Avery Park, Corvallis. For information, contact Esther McEvoy at 541-754-0893.

**March 14, Monday, 7:30 pm**

**Meeting and Presentation: Wildflowers of Northern Arizona.** Join Dan Luoma and Joyce Eberhart as they recreate exploring the spectacular wildflowers and landscapes of northern Arizona. From 5,000 ft. near Boynton Canyon and Secret Mt. to the highest reaches of the San Francisco Peaks there was tremendous variety in bloom. Views from Walnut Canyon National Monument and the Grand Canyon are also included. Location: Avery House in Avery Park. For more information contact Jordan Brown at 253-820-3934 or brownj@science.oregonstate.edu.

## Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.

**Meeting Location:** Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off

MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

**February 18, Thursday, 7 pm**

**Program: Getting To Know the Biscuitroots — *Lomatium* Botany, Ecology, and Human Relationships.** "Biscuitroot", "cous", "Luksh", "wild celery", "desert parsley." These are just a few of the names used for the diverse species of the *Lomatium* genus, which covers a vast area of western North America. Heron Brae will dive into the identification, ecology, range, and historical and contemporary uses of *Lomatium* in our region, informed from Heron's own first-hand experience as a botanist and wild food forager. Pictures, stories, and tasty samples make this an experience for everyone to enjoy, beginner and seasoned botanist alike. Location: Conference Room at Lane County Mental Health, see above for directions. For more information call 541-521-3964.

**March 17, Thursday, 7 pm**

**Program: Costa Rica — Magical Forests, Flowers, Birds, and Frogs.** Costa Rica offers natural history enthusiasts a huge variety of unique places to explore. Gail Baker and Clay Gautier will share photos and stories of their adventures in five different Costa Rican natural reserves. These include the cloud forests of Monteverde, tropical wet forests at La Selva, open paramo of Los Quetzales National Park in the Talamanca Mountains, coastal jungle of Corcovado National Park on the OSA Peninsula, and premontane wet forest at Las Cruces on the Panamanian border. Location: Conference Room at Lane County Mental Health. See above for directions. For more information call 541-521-3964.

## Filipendula

This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colecara@yahoo.com](mailto:colecara@yahoo.com).

## High Desert

For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).

## Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.

**February 4, Thursday, 6:30 pm**

**Meeting: An Update on Soil Survey Activities in Klamath County.** Chris Gebauer will give an overview of on-going soil survey work in Klamath County, some unique soils found in the area, and correlations between soils, ecological sites, and plant associations. We'll discuss some soil temperature and soil moisture studies that are part of the soil mapping project, and look at some examples of andisols, spodosols, vernal pool soils, organic soils, and their associated vegetative communities. Location: DOW 251 (Dow Center for Health Professions) on the OIT campus.

## Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).

**February 18, Thursday, 7 pm**

**Meeting: Potluck and Pics...Take Two!** We got snowed out in December, but Members Night is back. In addition to the potluck — with a suggestion to bring cookies or a dessert — we will be sharing pictures with one another. This program will be part of the monthly chapter meeting. Location: Columbia Gorge Community College, Building 1, Room 1.362, 400 E Scenic Drive, The Dalles, Oregon. For more information, contact Billy Don, 503-515-1708 or [bdmeme@gmail.com](mailto:bdmeme@gmail.com).

## Portland

If you would like to receive the chapter's semi-official e-mail newsletter, The Calo-



chortus, e-mail Don Jacobson at donj-photo@gmail.com.

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. Beginning in January 2016 the Portland Chapter will have a **NEW MEETING PLACE:** TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Muir Hall; enter the church through the main door off of Belmont between SE 54th and 55th, turn left and the room will be on your right. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

### February 11, Thursday, 7 pm

**Program: Montane Islands in a Desert Sea.** Jan and Dave Dobak will give us a look at the flora of northern Nevada's Ruby Mountains and Wheeler Peak, as well as California's Lassen Volcanic National Park. Meeting location, see above for details: TaborSpace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at alphie-smith@comcast.net or 503-288-4340.

### March 10, Thursday, 7 pm

**Program: Native Conifers of Northwest Oregon.** Join Ken Denniston as he uses photos and samples to show how to identify the native conifers of Northwest Oregon. Ken's presentation will focus on a unique, staged approach to learning the conifers. It will include some simple ways to easily distinguish each conifer and some tricks to help everyone remember the differences. A field study of the conifers will take place at Hoyt Arboretum the Saturday following the program, details TBA. Meeting location, see above for details: TaborSpace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: facebook.com/SiskiyouChapterNativePlantSocietyOfOregon.*

### February 18, Thursday, 7 pm

**Program: Alpine Flora of the Purcell Range.** Alex Maksymowicz will give a presentation on the alpine flora of the Purcell Range of the Rocky Mountains in British Columbia. Interestingly, many of the plants in this region of mostly sedimentary rocks also grow on the volcanic rocks of the Cascades as well as Steens Mountain in eastern Oregon. Alex Maksymowicz, an active member of the Siskiyou Chapter, has been photographing wildflowers in the western U.S. for 40 years, led wildflower field trips for several organizations, and currently teaches classes on Southern Oregon Flora at the Osher Lifelong Learning Institute at Southern Oregon University. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, sc\_president@NPSOregon.org.*

### March 26, Saturday, 10 am-3 pm

**Field Trip: Elliott State Forest.** NPSO and Coast Range Forest Watch will lead a hike to identify native plant species, explore a healthy forest ecosystem, and take in the views along Palouse Creek. We will carpool to the trailhead and hike approximately 2 miles on easy terrain with one creek crossing. Please bring sturdy shoes, lunch, water, rain gear, and plant ID books, if you

have them. Location: meet at 10 am at North Bend's Bay Bridge Motel on Highway 101. For more information, contact Alexis at sc\_president@npsoregon.org or Max at coastrangeforest-watch@gmail.com.

## Umpqua Valley

*Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

### February 27, Saturday, 9 am-noon

**Class: Looking Deeply at Plants by Drawing Them.** Noted botanical illustrator and long-time NPSO member Aislinn Adams will lead an introductory class on drawing native plants with pencil. The class will feature demonstrations and useful exercises for persons of all skill levels. Bring a sketchbook, 2H and HB pencils, eraser, and a sharpener. Free and open to the public. Location: Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool near North Salem High. Contact aislinn@aislinnadams.com for more information and to register or call John Savage at 503-399-8615 after 7 pm.

### March 9, Wednesday, 7-8:30 pm

**Program: Oregon Flora Project.** Linda Hardison, director of the Oregon Flora Project, and Lynda Boyer, advisory board member and native plant manager at Heritage Seedlings, will provide a comprehensive overview of the Oregon Flora Project. The program will highlight use of the Project's website and the new Oregon Flora app. It will also include a description of the recently published Flora of Oregon, Volume 1 — the first comprehensive and illustrated Oregon plant guide in over 50 years. The program is free and open to the public. Location: Straub Environmental Learning Center, 1320 A St. NE,

*continued on page 6*

Chapter Events, *cont'd*

next to Olinger Pool near North Salem High. For information, call John Savage at 503-399-8615 after 7 pm.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.

## OTHER EVENTS

### Marion SWCD

March 11, Friday, 10 am-6 pm

March 12, Saturday, 9 am-1 pm

**Sale: Native Plants.** Over 90 different species are usually available at this plant sale. Overstock will be sold Saturday, March 12. Location: Bauman's Farm and Garden, 12989 Howell Prairie Road, Gervais. Visit [marionswcd.net](http://marionswcd.net) to browse the plant selections, descriptions and price list in advance.

### Society for Ecological Restoration Northwest (SERNW)

April 4-8, Monday-Friday

**Conference: Monitoring Ecological Restoration — Measuring Change and Seeing Results.** This conference will focus on the Cascadia Bioregion. Participants with a broad range of interest in the practice and science of ecological restoration will share and discuss their knowledge and experience in workshops, field trips, poster session, symposia, and technical sessions. Keynote and plenary speakers will address the theme of monitoring ecological restoration and other regionally important topics. Location: Red Lion Inn (Jantzen Beach) in Portland, Oregon. For information and registration, visit [restoration2016.org/program](http://restoration2016.org/program).

## Your Employer Can Support NPSO

The effects of climate change are growing, putting stress on the land, water, food, energy and other resources people and wildlife need to thrive. But Oregonians can do more to protect our way of life. NPSO has partnered with EarthShare Oregon to make that happen.

EarthShare engages people at their workplaces to strengthen environmental efforts locally, across Oregon, and around the world.

NPSO's membership in EarthShare also enables us to reach employees across Oregon who might not know about our work. The more workplaces offering EarthShare, the more financial support, volunteers and outreach we receive!

Does your workplace offer EarthShare? Find out. ([earthshare-oregon.org/campaigns/workplace-partners](http://earthshare-oregon.org/campaigns/workplace-partners))

If not, talk to your boss or human resources personnel about offering EarthShare. Jan Wilson, EarthShare Oregon's executive director, will meet with your employer to discuss the benefits of a partnership, and get started right away.

To learn more about bringing EarthShare to your workplace, contact Jan directly at 503-223-9015 or [jan@earthshare-oregon.org](mailto:jan@earthshare-oregon.org).

## Plan Now for Native Plant Appreciation Week

Though the weather outside is frightful, the arrival of spring will be so delightful. While dreaming of spring, it's never too early to start planning for this year's Native Plant Appreciation Week, taking place April 24-30, 2016.

This is the largest coordinated public outreach event for the Native Plant Society of Oregon and an excellent opportunity for society chapters throughout the state to sponsor workshops, hikes, plant sales, etc. and help increase their chapter's visibility and membership.

We all get much busier as the weather improves so now is the time to plan. Be sure to post your activities in the NPSO *Bulletin* and let the NPAW Committee know about them as well. Email any information to Judi Sanders at [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).



*Erythronium grandiflorum*

Tired of waiting for spring blooms? Color your own! The wildflower drawings in this issue were done by NPSO Fellow Karl Urban, one of the founding members of the Blue Mountain Chapter. Read more about him at [npsoregon.org/fellows.html](http://npsoregon.org/fellows.html).

### Jim Schmit Great Hall

Annual Meeting registration, programs, meals and vendor sales will take place in the Jim Schmit Great Hall, a 9,000 square foot meeting, dining and resource center with a state-of-the-art kitchen. A large, unpaved car park area fronts the Great Hall. Management requests that vehicles be returned to this lot after unloading at dorms and lodges. The owners have a no dogs, other than service dogs, policy.



CHARLENE SIMPSON

*Jim Schmit Great Hall*

### Lodging, Meals, and Recreational Opportunities at the Conference Facility

**Lodging.** Visit the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for photos.

Two Executive Lodges. Single-story. Each lodge has six private motel-style bedrooms with full bath, two beds, and TV. Bedding and linens are provided. Each lodge has a large meeting room with kitchenette and half

bath. The State Board meeting will be held Sunday morning in the meeting room of one of these lodges.

Five Coach Lodges. Lodges are two-story with stairs to the upper level. Each lodge has three bedrooms: one on the ground floor with a double bed and two on the second floor each with two beds (a double and a single). Bedding and linens provided. There are two full baths, a living room and full kitchen in each lodge.

Three Dorms. Each dorm building has 34 bunk-style beds. Bring your own bedding and towels. Bathrooms have four sinks, four toilets and four showers. There will be a male, a female, and a coed dorm. Buildings will be assigned as designated on the registration form.

**Meals.** Buffet style meals will be served in the Jim Schmit Great Hall. Visit the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for food choice details.

- July 15 Taco Bar Supper  
July 16 Breakfast  
Sack Lunch  
Barbeque Dinner  
July 17 Breakfast

Kitchens in Executive and Coach Lodges afford an optional opportunity to prepare your own meals; for example, preparing special dietary items or sack lunch for Saturday field trips. Alcohol is allowed on the premises on a bring-your-own basis. No alcohol will be served by the establishment.

**Recreational Opportunities.** A swimming pool, sand volleyball court, horseshoe pit, and a fly fishing pond are available for guests of the facility.

### Alternative Accommodations: Area Motels, Cabins, RV Parks and Campgrounds

**Note:** *If you are planning to stay at locations other than the meeting venue the Emerald Chapter encourages you to make reservations early. During summer months the McKenzie River area is a popular destination and accommodations fill up quickly. Because of the Olympic Track Trials in Eugene next July you may be competing with others for available*

*space.*

Visit the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for a listing of nearby motels, cabins, RV parks, campgrounds, restaurants and grocery stores. The Emerald Chapter does not endorse or recommend private enterprises.

### On-Your-Own Recreational Opportunities

The following list is assembled to assist NPSO Annual Meeting attendees seeking recreational opportunities in the area. The list is not exhaustive. Other vendors with services that better meet your needs may also be available. Sign up, payment, and liability are contractual between the client and the business.

**Golf.** Tokatee Golf Club, 54947 McKenzie Highway. 800-452-6376, 541-822-3220, [tokatee.com](http://tokatee.com).

**White-Water Rafting.** All-Star Outfitters, 541-914-2886, [allstaroutfitters.net](http://allstaroutfitters.net). High Country Expeditions 541-822-8288, [highcountryexpeditions.com](http://highcountryexpeditions.com). Oregon Whitewater Adventures 800-820-RAFT, 541-746-5422, [oregonwhitewater.com](http://oregonwhitewater.com).

**Fishing Outfitters and Guides.** Deep Canyon Outfitters, 541-323-3007, [deepcanyonoutfitters.com](http://deepcanyonoutfitters.com). For others: google "McKenzie River Fishing Guides."



CELEBRATING WILDFLOWERS  
Gaillardia aristata  
Blanket Flower

Gaillardia aristata

KARL URBAN



CELEBRATING WILDFLOWERS  
Calochortus nitidus  
Big-Podded Manposia Lily

Calochortus nitidus

KARL URBAN

# New NPSO Members

Please welcome these new members who joined NPSO between May 11, 2015 and January 10, 2016

## Corvallis

Ryan King  
Patric Krabacher  
Jeremiah Northcutt  
William Proebsting  
Teri Sokoloff  
Kelly Wakefield

## Emerald

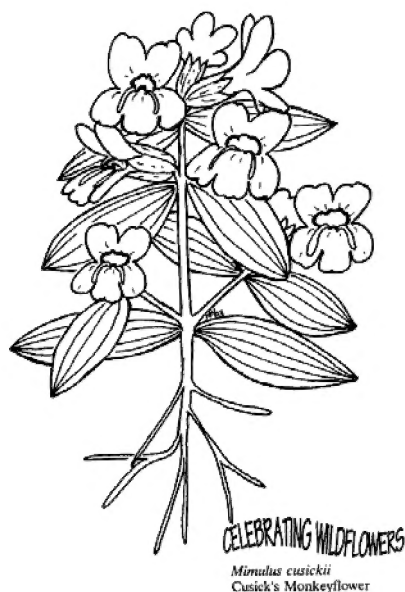
Ashley Adelman  
Michael Fuss  
Larry Hipple  
Mason Hutchison  
Mary Marshall  
Tim Thoren  
Sasha White

## Filipendula

David Bailey  
Chris Farrar  
Bill Hutmacher  
Suzanna Kruger  
Marie N. Smith  
Craig Tylenda

## High Desert

Nancy E. Bright  
Teresa Carey  
Aspen Clayton  
John Krakow



*Mimulus cusickii*  
Cusick's Monkeyflower

*Diplacus cusickii*

KARL URBAN

## Klamath Basin

Ronald Crete  
Jo Duthie  
Fran McDermott

## Members At Large

Denise Nemeth  
Richard Odonnell

## Mid-Columbia

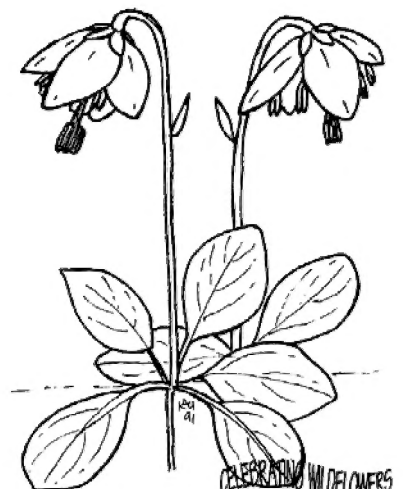
Tina Castanares  
Emily Stevenson

## Portland

Clark Allworth  
Dale V. Crawford  
Wendy Dembo  
Lynn Edwards  
Willow Elliot  
Kris Freitag  
Gibbs Gibson  
Nancy Howarth  
Gloria Jacobs  
Tam Jenkins  
Stephanie Kaza  
Martha Landowne  
Jay Lorenz  
Ken Matley  
Kathleen Mitchell  
Barbara Otto  
Joan Rainey  
Bruce & Alice Ronald  
Selena Rowan  
Adele D. Thompson  
Laura G. Turnbull  
Ivy Watson  
Harriet B. Wentz  
Cindy Woodbury

## Siskiyou

April Andujar  
Robin Bell  
Debbie Catalina  
Alexis Delgado  
Jeanine May  
Carolyn Minson  
Karen C. Phelps  
Jo Terrell  
Barbara Williams  
Sue Wilson



*Moneses uniflora* or  
*Pyrola uniflora*  
Single Delight or Wood Nymph

*Moneses uniflora*

KARL URBAN

## Umpqua Valley

Howell M. Estes  
Gail Hodges  
Erich Reeder  
Walter Rhea  
Valerie Ruffatto

## Willamette Valley

Jan Irene Miller  
Bill Swanson

## William Cusick

Teresa L. Brain  
Anne Morrison



*Veratrum viride*  
Green False Hellebore

*Veratrum viride*

KARL URBAN



# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

Phone \_\_\_\_\_ E-Mail \_\_\_\_\_

Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**

**P.O. Box 80714**

**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

☐ New

☐ Renewal

☐ Student – \$12

☐ Regular – \$25

☐ Family – \$35

☐ Sustaining – \$60

☐ Patron – \$125

☐ Life Membership – \$500

☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_

Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_

Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_

Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_

Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS..... Sam Friedman, Linda Hardison, Kevin Weitemier (to 6/2016); Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
PRESIDENT ..... Kelli Van Norman..... [president@NPSOregon.org](mailto:president@NPSOregon.org)  
IMMEDIATE PAST PRESIDENT..... Judi Sanders ..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT..... Lisa Blackburn ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 503-538-3976  
SECRETARY..... Rosalie Crowe ..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org)  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

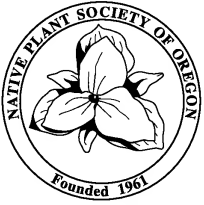
CHEAHMILL ..... Susan Aldrich-Markham ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-537-0587  
CORVALLIS..... Jordan Brown ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org); 253-820-3934  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Nancy Chapman..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-234-0162  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead..... [cat@featherforge.com](mailto:cat@featherforge.com)  
KALMIOPSIS EDITOR ..... vacant..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



Send change of address notices  
and membership requests to:

Native Plant Society of Oregon  
Matt Morales, Membership Chair  
P.O. Box 80714  
Portland, OR 97280

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[www.oregonflora.org](http://www.oregonflora.org)

## Friends of the Oregon Flora Project

Though our winter days are still dark and soggy, the upcoming field season will be even more eagerly anticipated because there is now a volume of the new *Flora of Oregon* to help us identify our botanical discoveries! Volume 1 contains keys and descriptions of the ferns, conifers, and monocots, many of which are the first to bloom (think grass widows [*Olsynium*]). And imagine having the resources necessary to finally assign names to those grasses you've wondered about!

Another helpful resource is the Oregon Wildflowers app for your phone and tablet. It complements Volume 1, in that it contains easy identification tools and photos for 1,054 wildflowers and non-grasslike plants.

The Flora Project's mission is to provide information of the highest quality about all Oregon plants, as we have demonstrated in the above-mentioned references. We are progressing on the remaining volumes of the *Flora*, which cover the dicots. We are also working to improve and expand our website. If you would like to be involved with this progress by volunteering or providing financial support, we welcome your participation! Please contact me (Linda Hardison) at 541-737-4338 to discuss how you can become part of our exciting work.

Information about donating, along with purchasing the *Flora of Oregon* or the Oregon Wildflowers app can be found on our website, [www.oregonflora.org](http://www.oregonflora.org).



# Bulletin

of the

## Native Plant Society of Oregon

*Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats*

VOLUME 49, NO. 2

MARCH 2016

### 2016 Annual Meeting Field Trips

*by Bruce Newhouse, Field Trip Chair*

The Emerald Chapter is very excited to be offering 2016 Annual Meeting field trips to some of "our" favorite places up the McKenzie and nearby areas.

Short trips will be offered Friday afternoon, July 15, and Sunday morning, July 17. All-day trips will be offered Saturday, July 16, at a variety of levels from short, easy outings to strenuous botany hikes. For information about each field trip, see the descriptions in this issue of the *Bulletin*, or better yet, check out the 2016 Annual Meeting website at [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg).

In addition to "regular" trips, several trips will offer a special, related focus: bryophytes, butterflies, ethnobotany, ferns, lichens, photography, and pollinators. These field trips will include stops or hikes with great wildflower displays as well as attractions in

their area of special focus.

We anticipate adding lots of additional information to the 2016 Annual Meeting website. In addition to standard hike summaries, we are planning to have a comparison table of all the trips, one aerial image showing all the trips, an individual aerial photo map of each hiking route (only those with hikes), one or more plant list for nearly every trip, a comparison page and key to all expected paintbrushes (*Castilleja* spp., our "theme plant"), and possibly photos of each area and/or target plants. The Resources page on the 2016 Annual Meeting website has information specific to field trips to heighten your experience!

We also provide information for two self-guided hikes which are nearby. Visit the 2016 Annual Meeting website for other points of interest and side trips posted on the Natural History



TANYA HARVEY

and Resources pages.

Please email me, [newhouse@efn.org](mailto:newhouse@efn.org), if you have questions about field trips after checking the above references.

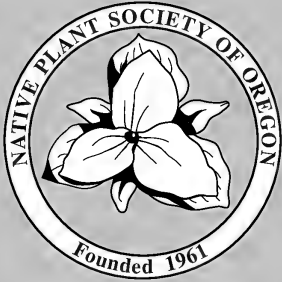
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CLAYTON GAUTIER

*Cascade Crest — Mt. Washington, Three Fingered Jack and Mt. Jefferson*



## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

P.O. Box 902  
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## New Portland Chapter President

Please welcome long-time NPSO member Linda Hardie as the president of the Portland Chapter. She grew up in southern Oregon, where she went on wildflower walks with her mother. And say thank you to Nancy Chapman for serving in this role the past few years.

## New Book Documents Coastal Plant Use

*Ethnobotany of the Coos, Lower Umpqua, and Siuslaw Indians*

By Patricia Whereat-Phillips

Oregon State University Press, available May, 2016

As noted by OSU Press: "Very little has been published until now on the ethnobotany of western Oregon indigenous peoples. *Ethnobotany of the Coos, Lower Umpqua, and Siuslaw Indians* documents the use of plants by these closely-related coastal tribes, covering a geographical area that extends roughly from Cape Perpetua on the central coast, south to the Coquille River, and from the Coast Range west to the Pacific shore." For more information and ordering see: [osupress.oregon-state.edu/book/ethnobotany-of-coos-lower-umpqua-and-siuslaw-indians](http://osupress.oregon-state.edu/book/ethnobotany-of-coos-lower-umpqua-and-siuslaw-indians). A 30% discount is available if you order by May 1; checkout code is SP16.

## NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of director positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email ([daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu)) for more information.

**!! IF YOU HAVEN'T RENEWED YET  
FOR 2016, YOUR MEMBERSHIP WILL  
LAPSE SOON!!**

Look at the label on this Bulletin and if "2015" appears along the top edge, this is the LAST Bulletin you will receive. If you don't want to miss out on any of this year's Bulletins, please send in your dues payment right away!

## Online Payments!

You can now renew or start your membership online with your debit or credit card. Just go to [npsoregon.org/online.html](http://npsoregon.org/online.html) or click on Membership on the left side of the NPSO home page ([npsoregon.org](http://npsoregon.org)). You can also make donations to any of the funds that support the mission of NPSO. Of course, you can continue to renew by mail with your check or money order. Questions? Please email [membership@npsoregon.org](mailto:membership@npsoregon.org).



# NPSO CALENDAR

## State Notes

### NPSO State Board Meeting.

**April 23, Saturday, 10 am-2 pm**

Umpqua Valley Chapter will host our spring meeting. Location: Douglas County Natural History Museum, Roseburg.

### NPSO Annual Meeting 2016

**July 15-17, Friday-Sunday**

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty minute drive from Eugene. Location: McKenzie River Conference Center, Rainbow, Oregon. For the most current information, visit the annual meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg).

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@witechlink.us](mailto:flora.id@witechlink.us).*

**March 2, Wednesday, 7 pm**

**Meeting: Field Trips for 2016.** Presentation to be announced. We'll also plan field trips. Location: theater room of the Prodigal Son Brewery and Pub, 230 SE Court Ave. in Pendleton. Contact Bruce Barnes, 541-377-2634 for details.

**April 20, Wednesday, 7 pm**

**Meeting: Details TBA.** Join us for a presentation by Matthew Campbell. Location: theater room of the Prodigal Son Brewery and Pub, 230 SE Court Ave. in Pendleton. Contact Bruce Barnes, 541-377-2634 for details.

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

**March 24, Thursday, 7 pm**

**Program: Green Streets, Planting Design and Concepts for Urban Stormwater Management.** Mark Akimoff, environmental program technician with the City of Keizer, will discuss removing pollutants with vegetated stormwater facilities, such as rain gardens, with a look at some of the native plants used in the facilities. Doors open at 6:45 pm

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

for socializing. Meeting/Program starts at 7:00 pm. Location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.). Parking lot entrances on Adams and 2nd Streets. For more information contact: Lisa Blackburn, 503-538-3976 or [blackburnlisag@gmail.com](mailto:blackburnlisag@gmail.com).

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Jordan Brown at [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org) or 253-820-3934.*

**March 5, Saturday, 9-10:30 am**

**Field Trip: USDA ARS National Clonal Germplasm Repository.** Kim Hummer will give an introduction and tour through the tissue culture lab, molecular marker lab, and greenhouses. She will discuss plant collection, germplasm maintenance, distribution, tissue culture, molecular marker analysis, and genebank conservation. Location: Meet at the parking lot in front of the building on 33447 Peoria Road at 9 am. If interested please sign up with Esther at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

**March 6, Sunday, 1-5 pm**

**Work Party: Avery Park.** Spring is coming, time to clean up the native plant garden. Come prepared for the weather and bring clippers, gloves, trowel and small shovel. Location: Avery Park, Corvallis. For information, contact Esther McEvoy at 541-754-0893.

**March 14, Monday, 7:30 pm**

**Meeting and Presentation: Wildflowers of Northern Arizona.** Join Dan Luoma and Joyce Eberhart as they recreate exploring the spectacular wildflowers and landscapes of northern Arizona. From 5,000 ft. near Boynton Canyon and Secret Mt. to the highest reaches of the San Francisco Peaks there was tremendous variety in bloom. Views from Walnut Canyon National Monument and the Grand Canyon are also included. Location: Avery House in

Avery Park. For more information contact Esther McEvoy at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

**April 11, Monday, 7:30 pm**

**Meeting/Presentation: Plants of Northeastern Oregon.** Phil Hays visited the Wallowas, Zumwalt Prairie, and Hells Canyon and will share his photos with us. Location: Avery House in Avery Park. For more information contact Esther McEvoy at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

## Emerald

*Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.*

**Meeting Location:** Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

**March 17, Thursday, 7 pm**

**Program: Costa Rica — Magical Forests, Flowers, Birds, and Frogs.** Costa Rica offers natural history enthusiasts a huge variety of unique places to explore. Gail Baker and Clay Gautier will share photos and stories of their adventures in five different Costa Rican natural reserves. These include the cloud forests of Monteverde, tropical wet forests at La Selva, open paramo of Los Quetzales National Park in the Talamanca Mountains, coastal jungle of Corcovado National Park on the OSA Peninsula, and premontane wet forest at Las Cruces on the Panamanian border. Location: Conference Room at Lane County Mental Health. See above for directions. For more information call 541-521-3964.

**April 21, Thursday, 7 pm**

**Program: Pollination Biology of Mushroom-Mimicking *Dracula* Orchids.** Tobias Policha will share his dissertation work on the pollination biology of *Dracula* orchids, which grow in the cloud forests of Ecuador. *Dracula*

orchids look and smell like mushrooms and are pollinated by mushroom associated flies, making this a remarkable example of mimicry across kingdoms. Inherently ecological, with interactions bridging the three kingdoms of plants, fungi, and the animal pollinators, this system explores networks of biodiversity across scales, from volatile chemistry to behavior. Location: Conference Room at Lane County Mental Health. See above for directions. For more information call 541-521-3964.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com).*

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

**March 17, Thursday, 7 pm**

**Meeting/Program: Field Trip Photography.** Learn from Mike McKeag how to get the most out of the camera that you carry with you on field trips, where the subject matter will certainly include wildflowers, but also landscapes, people, and whatever else of interest you encounter. A field trip the following Saturday will provide opportunity for hands-on tutoring and experimentation. Location: Columbia Gorge Community College, Building 1, Room 1.362, 400 E. Scenic Drive, The

Dalles. Further information: Billy Don Robinson, 503-515-1708 or [bdmeme@gmail.com](mailto:bdmeme@gmail.com).

**March 19, Saturday, 9 am**

**Field Class: Catherine Creek.** A follow-up to the March 17 program; this is an opportunity to receive tutoring and experiment with techniques to get the most out of your camera on field trips. Bring whatever camera you typically carry on field trips, whether smart phone, point-and-shoot, or full-featured DSLR. We will use Catherine Creek as our outdoor classroom, studio, subject and background. For information, contact Mike McKeag, [mmckeag@gorge.net](mailto:mmckeag@gorge.net), 503-807-3453.

## Portland

*If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at [donj-photo@gmail.com](mailto:donj-photo@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. Beginning in January 2016 the Portland Chapter will have a **NEW MEETING PLACE:** TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Muir Hall; enter the church through the main door off of Belmont between SE 54th and 55th, turn left and the room will be on your right. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**March 10, Thursday, 7 pm**

**Program: Native Conifers of Northwest Oregon.** Join Ken Denniston as he uses photos and samples to show how to identify the native conifers of Northwest Oregon. Ken's presentation will focus on a unique, staged approach to learning the conifers. It will include some simple ways to easily distinguish each conifer and some tricks to help everyone remember the differences. A

field study of the conifers will take place at Hoyt Arboretum the Saturday following the program. Meeting location, see above for details: Taborspace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

**March 12, Saturday, 11 am-12:30 pm**

**Field Trip: Hoyt Arboretum Conifer Hike.** Join Ken Denniston for a 1.3 mile hike through the arboretum's conifer collection to hone your NW conifer identification skills. From Douglas fir to Brewers spruce, the Hoyt collection has an almost complete set of the conifers that we see hiking through our natural areas. Location: meet at the Hoyt Arboretum Visitor Center, 4000 SW Fairview Blvd, accessible by MAX using the Washington Park Stop or Trimet Bus #63. For more information contact Ken Denniston, ken.denniston@gmail.com.

**March 20, Sunday, 10 am-1 pm**

**Field Trip: Lacamas and Round Lakes near Camas, Wash.** Easy hike, about a 2.5 mile loop around lake front, forested slopes, and flowered meadows. Hope to catch camas and avalanche lilies in bloom in the oak balds. This is a joint hike with the Suksdorfia Chapter of the Washington Native Plant Society. Co-leaders are Don Hardin and Ron Klump. To sign up for the hike, or for more info, contact Ron Klump, 360-619-8892 or ronklump55@comcast.net.

**April 1, Friday, 8:30 am-4:30 pm**

**Field Trip: Catherine Creek.** The premier early flower spot in the Gorge, where we will search for grass widows, yellow bells, prairie stars, toothworts, several desert parsleys, early glacier lilies, and others. Easy 5 mile walk with 800 ft. elevation gain. Location: meet at the Catherine Creek trailhead at 10 am or carpool from Gateway Park and Ride at 8:30 am. Approximate return time to Portland is 4:30 pm. Drive is 120 miles round-trip. To sign up for the hike, or for more info, contact Ron Klump at 360-619-8892 or ronklump55@comcast.net.

**April 2, Saturday, 8 am**

**Field Trip: Klickitat Wildlife Area.** We'll visit a beautiful, wild area with some of the best quality mixed oak woodlands and native grassland habitat along the Klickitat River, with good early flowers, lichens, and birds. We'll search for *Allium scilloides*, *Viola trinervata*, *Lomatium columbianum*, *Lomatium suksdorfii*, Wyeth lupine, Carey's balsamroot, and dwarf hesperochiron. A small creek will be forded. Washington Discover Passes (REI) required. Hike about 5 miles on level ground, some cross country. 200 mile round-trip drive, so an all day activity. For more info, contact Paul Slichter, pslichter@frontier.com.

**April 3, Sunday, 1-3 pm**

**Field Trip: Nob Hill Nature Park.** Join the Friends of Nob Hill Nature Park and NPSO for an easy, stroll through Nob Hill Nature Park (NHNP) to view trillium and fawn lily in an area currently undergoing restoration. NHNP is a small oak woodland perched on a basal bluff that overlooks the Columbia River. Poison oak is common, long pants and long sleeves are suggested. This event is on, rain or shine. Location: Meet at the city of St. Helens' wastewater treatment facility across from the park. Allow about 45 minutes drive time from Portland. Directions from Portland: take Hwy 30 north about 30 miles. At the WalMart in St. Helens, turn right on Gable Rd. Bear right on Plymouth St. and keep bearing right until you see the wastewater treatment plant on the right. There is plenty of parking across from the park's main entrance. A plant list is available by request by calling trip leader, Caroline Skinner, at 503-248-9719. For day of event only, call 503-349-8586.

**April 14, Thursday, 7 pm**

**Program: The Kalapuya, Their Story and Use of Native Plants.** Follow the original inhabitants of the Willamette and Tualatin Valleys through their history, life-styles, and interactions with more recent Americans up to the current day at Grand Ronde. Their copious use of native plants was innovative and provided them with a generous living.

Ginny Maffitt, volunteer botanist and naturalist at the Tualatin River and Wapato Lake National Wildlife Refuges, will present the program. Meeting location: Taborspace, Mt. Tabor Presbyterian Church, SE 54th and Belmont, see above for details. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

**Save the Dates!**

**April 16, Saturday, 8:30 am**

**Field Trip: Memaloose Hills.**

**April 30, Saturday**

**Field Trip: Sandy Canyon Hike.**

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: facebook.com/SiskiyouChapterNativePlantSocietyOfOregon.*

**March 13, Sunday, 10 am**

**Field Trip: Upper Table Rock.** Join John Villella, botanist with the Siskiyou Biosurvey and member of the American Bryological and Lichenological Society and NPSO, to observe lichens, bryophytes and terrestrial algae. This is a great time to visit Upper Table Rock as it is prime time for ephemeral bryophytes and terrestrial algae associated with the vernal pools on the top of the rock. Some lichen highlights include: vagrant forms of *Xanthoparmelia* and *Dermatocarpon* and local rarities such as *Parmelina* and *Peltula*. For information and to register, contact Julie Spelletich at 541-951-1744 or jspelletich@gmail.com.

**March 17, Thursday, 7 pm**

**Program: *Kalmiopsis leachi*-huh?**

Gabe Howe, founder and executive director of the Siskiyou Mountain Club, will discuss the discovery of *Kalmiopsis leachiana* and the role Lilla

*continued on page 6*

Chapter Events, *cont'd*

Leach played in the history of southwest Oregon's largest federal wilderness. Mr. Howe will also present a visual tour through the Kalmiopsis Wilderness (post-Biscuit Fire). Since 2010, the non-profit Siskiyou Mountain Club has been dedicated to restoring, maintaining, and promoting primitive trails in the Siskiyou backcountry. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

**April 9, Saturday, 10 am**

**Wildflower Hike: Rough & Ready Botanical Wayside.** Geared for plant enthusiasts and novices alike, this is a short hike on rocky, but relatively level ground, with lots of beautiful wildflowers, many rare or of limited range. A portion of the hike will be along a wheelchair accessible path. We will also discuss issues that affect the Wayside and its rare wildflowers, such as the invasive yellow tuft alyssum. Bring water, lunch if you like, and wear layers and comfortable shoes. Sponsored by Cultural & Ecological Enhancement Network and NPSO. Location: meet at the parking area at Rough & Ready Botanical Wayside south of Cave Junction, Hwy 199 at mile marker 34. For more information call Suzanne at 541-291- 8860.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org).*

**March 26, Saturday, 10 am-3 pm**

**Field Trip: Elliott State Forest.** NPSO and Coast Range Forest Watch will lead a hike to identify native plant species, explore a healthy forest ecosystem, and take in the views along Palouse Creek. We will carpool to the trailhead and hike approximately 2 miles on easy terrain with one creek crossing. Please bring sturdy shoes, lunch, water, rain gear, and plant ID books, if you have them. Location: meet at 10 am

at North Bend's Bay Bridge Motel on Highway 101. For more information, contact Alexis at [sc\\_president@npsoregon.org](mailto:sc_president@npsoregon.org) or Max at [coastrangeforest-watch@gmail.com](mailto:coastrangeforest-watch@gmail.com).

## Umpqua Valley

*Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](http://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

**March 9, Wednesday, 7-8:30 pm**

**Program: Oregon Flora Project.** Linda Hardison, director of the Oregon Flora Project, and Lynda Boyer, advisory board member and native plant manager at Heritage Seedlings, will provide a comprehensive overview of the Oregon Flora Project. The program will highlight use of the Project's website and the new Oregon Flora app. It will also include a description of the recently published *Flora of Oregon, Volume 1* — the first comprehensive and illustrated Oregon plant guide in over 50 years. The program is free and open to the public. Location: Straub Environmental Learning Center, 1320 A St. NE, next to Olinger Pool near North Salem High. For information, call John Savage at 503-399-8615 after 7 pm.

## William Cusick

*Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.*

## OTHER EVENTS

### North American Rock Garden Society

**March 15, Tuesday, 7:30 pm**

**Meeting: Open House.** Are you fascinated by small and unusual plants? Do you wonder what "rock gardening" could possibly mean? Want to chat with people who love plants? Come to an open house at the Columbia-Willamette Chapter of the North American Rock Garden Society. Meet our members, admire beautiful plants, and learn about NARGS. We'll have door prizes and, yes, cookies. Location: SMILE Station, 8210 SE 13th Ave., Portland.

### Mount Pisgah Arboretum

**March 20, Sunday, 11 am-1 pm**

**Walk: Flies and Flowers.** Join Arboretum Interpretation Coordinator August Jackson on a walk to explore the important role of flies in the pollination of our early wildflowers. Learn about the process of pollination, the names and ecology of some of our colorful native flies, and how to identify our early spring wildflowers. Rain or shine. Location: meet at the Arboretum Visitor Center. Don't forget your parking pass. \$5, Members Free. For more information, visit [mountpisgaharboretum.com/festivals-events](http://mountpisgaharboretum.com/festivals-events) or call 541-747-3817.

### Hood River Soil and Water Conservation District

**April 1-2, Friday-Saturday, Order Ahead**

**Sale: Native Trees and Shrubs.** Every spring the Hood River SWCD hosts a native tree and shrub sale to promote planting native species. We offer a variety of native conifers, deciduous trees, and shrubs. They will arrive in April as bare-root seedlings that are 1-2 years old. Location: pick up your order at the OSU Experiment Station Cold Storage Building. For more information and to order plants, visit [hoodriverswcd.org/projects/plants](http://hoodriverswcd.org/projects/plants).



# Field Trip Options for 2016 NPSO Annual Meeting (Emerald Chapter)

Please note your #1, #2 and #3 choices for EACH trip (Friday, Saturday, and Sunday) on the registration form. See the 2016 Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for a lot more information!

## FRIDAY AFTERNOON TRIPS

(July 15, 1 pm–4 pm+)

### Trip# DESCRIPTION

15-1 **Aufderheide National Scenic Byway and Box Canyon with Steven Yeager.** A beautiful and scenic road with many places of interest to stop and botanize. Learn about historic and current uses of plants and enjoy floriferous Box Canyon at the top of the McKenzie-Willamette divide. It offers some interesting cultural history as well. Moderate driving, short hikes.

15-2 **Carpenter Mountain Lichens with Scot Loring.** In addition to the extensive rocky habitats, this short hike features forest habitats and stunning views of Wolf Rock and the Cascade peaks. Roadside stops on the way up and/or down will round out the afternoon. Drive time approx. 45 minutes, hike 1 mile each way (mostly moderate grades).

15-3 **Echo Basin with Alice Smith.** A 2 mile loop through an impressive Alaska yellow cedar grove and beautiful wet meadow, complete with Lewis' and primrose monkey flowers, surrounded by the natural amphitheater of Echo Mountain. 600 ft. elevation gain.

15-4 **Fish Lake with Dave Kretzing.** Multiple interests of geology, hydrology, plants and history! Fish Lake becomes a dry lake bed in summer with interesting flora. It was an important stop on the Santiam Wagon Road, with historic Forest Service buildings and is in the National Register of Historic Places. Mostly flat, easy walking. Dave really knows the area and its history well!

15-5 **Hand Lake with John Koenig.** Wet and moist meadows, a mountain lake, lava beds, and even Newberry's Gentian (*Gentiana newberryi*)! Hopefully, the gentian will be

in flower. But will the tiny Yosemite moonwort (*Botrychium simplex*) be visible in the meadow? This easy, mostly flat 1 mile round-trip hike also offers great mountain views.

15-6 **HJ Andrews Experimental Forest with Mark Schulze.** Spend an afternoon with the director of the HJ Andrews Experimental Forest, looking at two long-term ecological research sites — a paired watershed study and 200-year log decomposition study — and finish with a hike (less than 3 miles, gentle to moderate grades) in the outstanding Lookout Creek old growth forest.

15-7 **Park Creek Basin with Tanya Harvey.** If you're looking for an easy afternoon of botanizing with no climbing or real hiking, this is a wonderful place to just relax and enjoy a beautiful show of wildflowers. There are several good places where we will park along the road and walk over to the creek and 2 bridges that cross it. Many wetland and aquatic species can be seen by the creek or several small lakes that require only a short bushwhack.

## SATURDAY TRIPS

(July 16, 8:30 am–4 pm+)

### Trip# DESCRIPTION

16-1 **Tamolitch Falls (aka Blue Pool), McKenzie River Trail with Steven Yeager and Tobias Policha.** A 5.2 mile one-way hike (not a round-trip hike). We will begin where the McKenzie River disappears and flows underground for about 3 miles until it flows up into the Blue (or Tamolitch) Pool. The trail works its way through beautiful stands of old-growth Douglas fir, incense and western red cedars. The guides will highlight the wildflowers along the trail and also incorporate ethnobotanical concepts into the walk. We will set up a car shuttle to allow us to

have a one-way hike.

16-2 **Browder Ridge with Alice Smith.** Old growth Douglas fir forest gives way to noble fir and a complex of subalpine meadows with beautiful views of the Three Sisters and Mt. Washington. Outstanding wildflower diversity! Prescribed fire has been used recently to enhance the meadows and discourage conifer invasion. 1000 ft. elevation gain, some of it steep. Hike up to 6 miles.

16-3 **Canyon Creek Meadows (Mt. Jefferson Wilderness) with Bruce Newhouse.** A loop of about 6 miles with mostly gentle slopes and some moderately steep sections. The trail passes close to the rugged and scenic east base of Three Fingers Jack. Some forest habitat with snags and regeneration are present following the B & B Fire, but the highlights are the spectacularly floriferous meadows, scattered small ponds, and wetlands with lupines, paintbrushes, Lewis' monkey flower, and other wonders along the creek. We'll identify birds, butterflies, and dragonflies as well. The highest elevation hike and the longest drive (about 1.5 hours, including the last 5 miles with some gravel washboard) to get to the trailhead — but well worth it! (We are NOT hiking the steep part up to the cirque lake.)

16-4 **Coffin Mountain with August Jackson.** Head to the Detroit Ranger District to take a hike through the flower-filled meadows of Coffin Mountain. We'll take a look at the different methods flowers utilize to ensure efficient pollination and meet a variety of pollinators along the way. Explore the ecology of western Oregon's native pollinators and learn to identify several species, with an emphasis on bees and flies. If time allows, we may also trek to nearby Bachelor Mountain. About 47 paved miles, plus 8 more gravel road.

*continued on page 8*

Three miles round-trip hiking (plus Bachelor Mt., if time).

**16-5 Fern Foray with Ed Alverson.**

Join a regional fern expert on a trip with several stops targeting different species of ferns. Some short hikes will be involved and many other wildflowers will be noted along the way. We'll try to see at least 8 species of ferns and closely related species, including, hopefully, Rattlesnake Fern (*Botrypus virginianus*). Driving mileage is not yet ascertained but will likely be low to moderate. Occasional short walks of easy to moderate difficulty.

**16-6 Frissell Ridge Butterflies with Neil Bjorklund.**

This ridge-top adventure will feature stunning views, varied Western Cascades plant life, and one of Oregon's most diverse butterfly faunas. Frissell Ridge, in the Andrews Experimental Forest, supports butterfly species from both east and west of the Cascade crest. We will alternate between walking and driving gravel roads along the ridge, enjoying roadside native floral displays and, with luck, 30+ species of native butterflies. Walking will all be on gravel roads, with a few sparse rough or steep sections. Most of our route has high exposure to sun, which supports the butterflies but can be hot and dehydrating. Bring binoculars to get good looks at the smaller butterfly species, with those that can focus 5 to 8 feet away being best. Because butterflies don't become active until late morning, this trip will leave the meeting site at 10 (later than other trips).

**16-7 Hidden Lake Bog Bryophytes with Dave Wagner.**

A small *Sphagnum* bog in the mountains southwest of Cougar Reservoir. A short hike is involved. Focus of this field trip will be mosses and liverworts. Three habitats are featured: old growth forest, rocky talus, and bog. We'll return to the venue in the early afternoon for a keying party, then make a simple tabletop display of our identified bryophytes for other meeting attendees.

**16-8 Horsepasture Mountain with Jenny Lippert.** A delightful hike through fields of wildflowers. We will pass through various gradations of rock garden from seepy wet to dry, ending at the top of the mountain at an old lookout site with beautiful views of the Three Sisters. Climb is moderate and walk is 2.8 miles round-trip. If we have extra time, we may stop at a little lake northwest of the trail to scout some unique wetland species.

**16-9 Iron Mountain with Bob Ross.** The quintessential Old Cascades wildflower hike, with the guy who co-wrote the book *Wildflowers of the Western Cascades*, which focuses on this area. (The loop trail past Cone Peak was closed last year because of owl nesting close by, so that part is a "maybe.") Bob is an engaging leader who will inspire you to think about why things are the way they are at Iron Mountain, and where they may be going! Up to 5 miles, with some quite steep sections.

**16-10 Lowder Mountain with Tanya Harvey.** This terrific wilderness hike alternates between old growth forest and large sloping meadows, then reaches a rocky ridge with interesting plants hidden on the north side. As the trail continues, it passes through a dry opening filled with buckwheats and tiny annuals. This is an especially good area to look for butterflies although they are usually abundant in all the open areas. At an intersection in a floriferous meadow, we'll switchback up to the large open summit with some unusual species. At the far side of the summit there is a great view of the Three Sisters from the top of a massive cliff. Binoculars will help to see the many interesting plants growing on the rocks below. About 5.6 miles round-trip with 900 ft. elevation gain. 10 miles of good gravel road.

**16-11 Olallie Mountain with John Koenig.** This is a wonderful wilderness hike that has it all: majestic old growth forest of mountain hemlock and Douglas fir; a delightful creek with ferns, salmonberry, and devil's club; wet and dry mountain meadows festooned with beargrass as well as an amazing

diversity of wildflowers; and on top a rock garden of plants from tiny annuals to buckwheats that attract an abundance of butterflies. Cascade lilies should also be blooming along the trail near the top. Enjoy spectacular views of the Three Sisters while eating lunch near the old fire lookout. Moderate 7.2 mile round-trip hike with 1200 ft. elevation gain. 12 miles of good gravel road.

**16-12 Quaking Aspen Swamp with Molly Juillerat.** Quaking Aspen Swamp is a fantastic wetland with a long season of bloom and as many as 250 different plant species, including quite a number that are unusual for this area. A short half-mile trail through some pleasant forest passes the east edge, but to really explore the site, it is necessary to wander out into the wet meadows, taking care where you step, especially in the boggy areas where sundews abound. Rubber boots are a must. 10 miles of good gravel road.

**16-13 Road 19/Indian Ridge Lichens with Scot Loring.** Join us for a lichen hunt and keying party. We'll scope out lichens along the rocky habitats of Cougar Reservoir and, if we make it that far, the varied habitats of Indian Ridge. We'll return to the venue in the early afternoon for a keying party (a different kind of scoping!), then make a simple tabletop display of our identified lichens for other meeting attendees. Up to 1 hour driving each way (likely less) but with intermittent stops and short walks.

**16-14 Scott Mountain with Gail Baker and Clay Gautier.** The hike from Scott Lake to Scott Mt. along the Benson Lake trail is an excellent High Cascades experience. Surrounded by hemlock/fir forest for much of the trip, we'll visit scenic, cliff-rimmed Benson and Tenas lakes on our way to the drier, open slopes and summit of Scott Mt. Along the trail, we'll encounter numerous wet meadows filled with huckleberries and other interesting plants (including Alaska clubmoss, *Diplazium sitchense*). The view from the top of Scott Mt. is outstanding — on

a clear day a good portion of Oregon's Cascade Crest is visible.

**16-15 Tidbits Mountain with Marcia Cutler.** This 4.4± mile round-trip hike is on a really pleasant trail through several different habitats and has all the usual wonders of the Western Cascades: forests with big, old trees, rocky areas, cliffs, sweet views, and tons of gorgeous flowers. And if we're lucky, we'll see explorer's Gentian, American harebell and maybe a pika! The grade is fairly moderate, starting around 4000 ft. and climbing to around 5100 ft., but the trail does cross a talus slope. Trailhead is 20 miles from our venue (includes 9 miles of gravel).

## SUNDAY TRIPS

(July 17, 8:30 am–12:30 pm)

### Trip# DESCRIPTION

**17-1 Aufderheide National Scenic Byway and Box Canyon with Tobias Policha.** A beautiful and scenic road with many places of interest to stop and botanize. Learn about historic and current uses of plants, and enjoy floriferous Box Canyon at the top of the McKenzie-Willamette divide. It offers some interesting cultural history as well. Moderate driving, short hikes.

**17-2 Indian Ridge with John Koenig.** Plenty of rock garden habitat and cliffs with gorgeous displays of wildflowers at the top of this drivable destination. Stops along the way at a small waterfall, wetlands, creek crossings and cliffs. Fantastic views of the Cascade peaks from the mountain top lookout. We'll walk a short section of the old Indian trail where both rhododendron and several species of gooseberries (*Ribes* spp.) grow profusely.

**17-3 Parish Lake Bog with Tanya Harvey.** Experience a genuine floating bog — a rare habitat in the Cascades. Walking on it (carefully, both for the sake of the plants and so as not to break through) feels like walking on a water bed. The bog is home to so many sundews (both species of *Drosera* are present here) that the entire area looks red from a distance. Other unusual

species are found in both the bog and the small lake. Easy 1 mile round-trip hike down to the lake. Limited to 8 participants.

**17-4 Proxy Falls with Bitty Roy.** Not one, but **two** photogenic waterfalls are on this fairly easy loop trail accessed from up the McKenzie Pass Highway. Davidson's penstemon abounds, as do other lava-dwelling plants and many "bonsai" shrubs.

**17-5 Wildflower Photography with August Jackson.** We'll take a drive on the Aufderheide, stopping along the way to photograph a wide variety of wildflowers, each with its own unique challenges. We will explore how to marry art and science to create dramatic photographs, which can also be used to help with identification. Main topics will include focus, lighting, and composition, with attendees driving the conversation. All levels of experience and equipment welcome. Some gravel roads possible.

## ANY TIME

(self-guided trips; no need to include on registration sheet)

**Delta Old Growth Forest Nature Trail.** Self-guided and close to the meeting site: about a 5 to 10 minute drive to the trailhead. A half-mile flat loop with three nice footbridges to view water (McKenzie side channel) and wetlands. Trail goes through some truly magnificent old growth. Brochure available at start with interpretive stops.

**McKenzie River National Scenic Trail.** Self-guided and any desired length. Accessible beginning about 10 miles up the highway from the NPSO meeting venue. Up close views of the gorgeous upper McKenzie River. Excellent for mountain biking, and well used. Koosah and Sahalie falls are stunning if you want to drive a half hour further.

# Glide Wildflower Show April 23–24

The Glide Wildflower Show will kick off Native Plant Appreciation Week on April 23–24. The largest showcase of native flora in the Pacific Northwest, it will bring together over 600 species of wildflowers, shrubs, trees, mosses, lichens, and ferns, all artfully displayed and labeled.

Knowledgeable speakers will make presentations throughout both days. Topics this year include fungi and forest health, 500 years of fire management on the Umpqua, edible and medicinal plants, and tracking pollinators with native plants. A botany instructor will conduct a guided tour of the show on Saturday morning and on both days show collectors will lead a wildflower walk.

The show also has food, plants, and books for sale, plus special displays of edible and medicinal plants, natural dyes, noxious weeds, beekeeping, spinning, and photos of endangered flowers.

Mark your calendar and make plans for a day or the full weekend. Visit the show, then continue up Highway 138, the Rogue-Umpqua National Scenic Byway, to see abundant wildflowers in their natural environment, dramatic waterfalls, and the spectacular wild and scenic North Umpqua River.

Look for a full article about the show in the *April Bulletin*. For details now, go to [glidewildflowershow.org](http://glidewildflowershow.org).



# Wanted: Vendors for the 2016 Annual Meeting

The 2016 Annual Meeting Planning Committee is looking for vendors for this summer's annual meeting. Items for sale must be nature-related. Possibilities include t-shirts and other clothing, mugs, art, Oregon flora products, books, calendars, posters, etc. We will also have tables available for chapters who want to sell or display items. Tables, around the perimeter of

the dining hall, will be assigned on a first come, first served basis. We will charge a nominal fee (\$10) for individual vendors and no fee for chapters and non-profits. The registration deadline for individual vendors is April 30, 2016; for chapters, the deadline is May 30, 2016. If we have unassigned tables by May 30, nature-related non-profits may also reserve table space for display.

Vendors must be present on Friday and Saturday evenings. While vendors don't have to be NPSO members, you do need to be a member and register for the annual meeting if you want to use on site lodging or meals or attend field trips. Please see the vendors section of our website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for more information or to download an application for a table.

## 2016 Annual Meeting Stipends for Students

NPSO is offering three stipends of up to \$200 each to college undergraduate or graduate students to attend the 2016 NPSO Annual Meeting at the McKenzie River Conference Center in Rainbow, Oregon. We want to encourage more students to be active in NPSO, so we are offering the stipends to help defray some expenses for travel, lodging, food and banquet,

membership, and registration. Your costs may vary from a base cost of \$128 depending on your lodging, mileage, etc. In return, NPSO suggests that each student who receives a stipend write a short article (about 250–300 words), describing some aspect of the meeting such as the field trip you participated in or the evening presentations, for the *Bulletin*. To apply, please request a copy

of the Stipend Application directly from Mary Beth Averill, [writeonmba@aol.com](mailto:writeonmba@aol.com). Make sure to indicate NPSO Annual Meeting Stipend in the subject line of your email. Deadline for submitting your stipend application to [writeonmba@aol.com](mailto:writeonmba@aol.com) by email is May 1, 2016.

## Willamette Chapter Scholarships

### STUDENTS, TAKE NOTE:

The Willamette Valley Chapter will once again be offering two scholarships for 3rd and 4th year students who will be enrolling in plant systematics or plant ecology at any Oregon college or university for the 2016-2017 school year. Two qualified applicants will be selected to receive \$1,000 from either the Augusta Rockafellar Memorial Scholarship Fund or the Jean Davis Memorial Scholarship Fund. Applications will be accepted by mail until June 1, 2016. Don't let this opportunity pass you by!

### Rules for Scholarship Awards

1. Scholarships are available to students in Oregon colleges, planning their major study in plant systematics or plant ecology.
2. Scholarships are awarded in the amount of \$1,000 to worthy

- students who will complete at least two years of satisfactory college work by July 1 of the year of receipt of application and are full time students. Graduate students may be eligible if they meet all qualifications except that of full time student.
3. Awards are made in the following manner:
  - a) A certificate is presented to the recipient.
  - b) A check in the amount of the award is submitted to the school of choice, as set forth in rule 1, to be used toward tuition within the following academic year.
4. If an award recipient fails to enroll, changes his or her major, or leaves the school before completing the period for which the award was granted, the full amount or unused part of the money shall be returned to the Memorial Scholarship Fund.
5. Applicants are required to submit:

- a) In their own words, a statement of academic and career intent
  - b) Two letters of reference from persons able to judge the student's ability to successfully complete study in the area of plant systematics or plant ecology.
  - c) Full academic record (transcript).
6. The Scholarship Committee Chair must receive all applications, together with items listed in rule 5, no later than June 1. The award will be made by July 1.
  7. Scholarships cannot be granted to Scholarship Committee members or their relatives.

Please mail applications and the required documentation to:

Thomas Jenkins  
Scholarship Committee Chairman  
14380 Salt Creek Rd.  
Dallas, OR 97338

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS..... Sam Friedman, Linda Hardison, Kevin Weitemier (to 6/2016); Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
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IMMEDIATE PAST PRESIDENT..... Judi Sanders..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT..... Lisa Blackburn ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 503-538-3976  
SECRETARY..... Rosalie Crowe ..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org)  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

CHEAHMILL ..... Susan Aldrich-Markham ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-537-0587  
CORVALLIS..... vacant ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

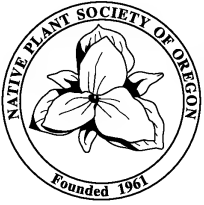
### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead..... [cat@featherforge.com](mailto:cat@featherforge.com)  
KALMIOPSIS EDITOR ..... vacant..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)





*Send change of address notices  
and membership requests to:*

Native Plant Society of Oregon  
Matt Morales, Membership Chair  
P.O. Box 80714  
Portland, OR 97280

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## Friends of the Oregon Flora Project

The Oregon Flora Project is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, [www.oregonflora.org](http://www.oregonflora.org). Funding for the Oregon Flora Project comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps the OFP progressing, please contact us at [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org), or phone 541-737-4338.

Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

## Print and Mail Registration Form for One or Two Persons

NATIVE PLANT SOCIETY OF OREGON ANNUAL MEETING, July 15, 16, & 17, 2016  
McKenzie River Conference Center, Rainbow, OR

### INSTRUCTIONS

Registration is for **NPSO members only**. Deadline for registration is **June 15**. If you need to renew a lapsed membership or join NPSO, use the membership form on the penultimate page of the NPSO Bulletin or visit the web address: <<http://www.npsoregon.org/membership.html>>. Send your Registration Form with payment to the address of the Registrar shown at the bottom. Make out check(s) or money order(s) to "NPSO Emerald Chapter". We'll confirm via e-mail or phone (if no email). Direct all questions to the Registrar: <[hartmanium@mac.com](mailto:hartmanium@mac.com)>.

Enter Registrant Name(s)... 1:

2:

Address:

City:

State:

Zip:

E-MAIL:

Phone:

### REGISTRATION FEE

If form and payment are sent by April 30: Enter \$25 for 1 registrant, \$50 for 2 registrants.

If form and payment are sent by June 15: Enter \$40 for 1 registrant, \$80 for 2 registrants.

\$

### OVERNIGHT ACCOMMODATION FEES for 2 nights: July 15 and 16

There are four types of McKenzie River Conference Center accommodation:

- 1) SINGLE Bunk-Style Bed in Dormitory (male, female, or coed), shared shower/bath;
- 2) Executive Lodge Room with one DOUBLE Bed and one SINGLE Bed, private shower/bath;
- 3) Lower Level Coach Lodge Room with one DOUBLE Bed, shared shower/bath;
- 4) Upper Level Coach Lodge Room with one DOUBLE Bed and one SINGLE Bed, shared shower/bath.

☐ I(we) do not need ACCOMMODATION; OR ...

☐ See my(our) choice of accommodation below (rates are for 2 nights)\*

ONE BUNK-STYLE BED in DORM.....	<input type="checkbox"/> male	<input type="checkbox"/> female	<input type="checkbox"/> coed	\$40.00	<input type="text"/>
ADDITIONAL BUNK-STYLE BED in DORM.....	<input type="checkbox"/> male	<input type="checkbox"/> female	<input type="checkbox"/> coed	\$40.00	<input type="text"/>
ONE ROOM in EXECUTIVE LODGE (2 BEDS/ROOM)	<input type="checkbox"/>			\$140.00	<input type="text"/>
ONE ROOM in COACH LODGE (1 BED, 1st Floor)	<input type="checkbox"/>			\$150.00	<input type="text"/>
ONE ROOM in COACH LODGE (2 BEDS, 2nd Floor)	<input type="checkbox"/>			\$150.00	<input type="text"/>

### MEALS

	Registrant 1	Registrant 2	
Friday, July 15, RECEPTION	<input type="checkbox"/> \$12.00	<input type="checkbox"/> \$12.00	RECEPTION Total = <input type="text"/>
Saturday, July 16, FULL BREAKFAST	<input type="checkbox"/> \$12.00	<input type="checkbox"/> \$12.00	BREAKFAST Total = <input type="text"/>
Saturday, July 16, LUNCHBOX	<input type="checkbox"/> \$12.00	<input type="checkbox"/> \$12.00	LUNCHBOX Total = <input type="text"/>
lunchbox 1: <input type="checkbox"/> ham <input type="checkbox"/> tuna <input type="checkbox"/> turkey <input type="checkbox"/> veg    lunchbox 2: <input type="checkbox"/> ham <input type="checkbox"/> tuna <input type="checkbox"/> turkey <input type="checkbox"/> veg			
Saturday, July 16, DINNER	<input type="checkbox"/> \$15.00	<input type="checkbox"/> \$15.00	DINNER Total = <input type="text"/>
Sunday, July 17, FULL BREAKFAST	<input type="checkbox"/> \$12.00	<input type="checkbox"/> \$12.00	BREAKFAST Total = <input type="text"/>

**ENTER SUM** → Registration Fee + Accommodation + Meals (Amount to be Enclosed) = \$

### FIELD TRIP CHOICES

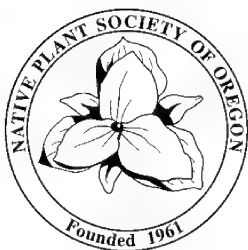
For Details see <<http://emerald.npsoregon.org/2016mtg/fieldtrips.php>>

Friday, July 15	Registrant 1: 1st Choice _____	2nd _____	3rd _____
	Registrant 2: 1st Choice _____	2nd _____	3rd _____
Saturday, July 16	Registrant 1: 1st Choice _____	2nd _____	3rd _____
	Registrant 2: 1st Choice _____	2nd _____	3rd _____
Sunday, July 17	Registrant 1: 1st Choice _____	2nd _____	3rd _____
	Registrant 2: 1st Choice _____	2nd _____	3rd _____

Each Registrant Must SIGN the REVERSE  
Side of this form. Please send signed,  
completed form with payment to \_\_\_\_\_

Michael Hartman, Registrar  
NPSO Emerald Chapter  
2878 Firwood Way  
Eugene, OR 97401

\* If your chosen accommodation is already full and is unavailable, we will contact you with available options, including the option of a complete refund of your accommodation fee.



# Native Plant Society of Oregon

## Waiver of Liability and Indemnification Agreement

\*\*\*\*\* PLEASE READ ALL OF THIS FORM. IT IS IMPORTANT! \*\*\*\*\*

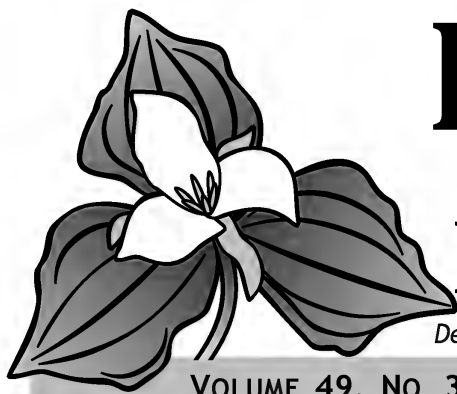
Thank you very much for coming on an NPSO field trip! The following agreement is necessary for the well-being of NPSO and all field trip participants. We appreciate your understanding.

1. **I understand that I am solely responsible for my own safety at all times.** I acknowledge that **my participation** in any Native Plant Society of Oregon (NPSO) field trip is **purely voluntary**, and I understand that **some parts of the field trips may be hazardous** and may result in damage or loss of my property or in my injury.
2. **I agree to take full responsibility for my own medical needs.** I am aware that trips require physical outdoor activity and have certain risks inherent with exposure to nature and natural processes. I certify that I have no health or physical problems which would interfere with my participation.
3. **I understand that horseplay, roughhousing, shoving, contact sports, or other such activities are not appropriate and not allowed on NPSO trips.**
4. **I agree to stay with the group.** If I need to vary for any reason, I will do so only with the permission of the leader.
5. **I understand that transportation to the beginning of the trailhead or field site is not part of any NPSO-sponsored activity.** Although NPSO suggests carpooling to save gas and reduce pollution, I agree that if I carpool, it is an independent activity organized by myself and other individuals on our own initiative and at our own risk.
6. **I hereby agree for myself and for my heirs, representatives, agents and assigns, that I will not hold the NPSO liable.** I will waive and release any claims, demands or actions against them, for any damages to or loss of my property, or for my illness, injury or death, which results from or arises in connection with any NPSO field trip other than that which results from gross negligence.
7. **The persons and organizations covered by this agreement are:**
  - NPSO, its officers or members, and
  - **Any other participant(s)** in field trips including any people invited by any NPSO member(s), and
  - **Any of the agents or employees of the above persons and organization.**
8. **In addition, I agree to indemnify the above people for any claims made against them** on my behalf or otherwise, as a result of any damage to or loss of my property, or as a result of my injury or death, resulting from or arising in connection with the NPSO field trips, other than that which occurs as a result of the gross negligence of that person(s).

I HAVE READ THIS ENTIRE FORM, AND AGREE: *Each registrant must sign!*

Signed:\_\_\_\_\_ Printed Name:\_\_\_\_\_ Date:\_\_\_\_\_

Signed:\_\_\_\_\_ Printed Name:\_\_\_\_\_ Date:\_\_\_\_\_



# Bulletin

of the

## Native Plant Society of Oregon

*Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats*

VOLUME 49, NO. 3

APRIL 2016

### Glide Wildflower Show Kicks Off Native Plant Appreciation Week

by Nancy Tague

In southern Oregon, different habitats and geology crowd together, resulting in a huge diversity of wildflowers. From delicate lilies of the moist west-side forests to exotic carnivorous plants of the serpentine Siskiyou Range, natural gardens dotted across the region delight casual visitors and serious botanists.

April 23–24, you can find this abundance in one location at the Glide Wildflower Show, the largest showcase of native flora in the Pacific Northwest. During the previous week, teams of collectors will fan out across southern Oregon, from the Cascades to the coast, from the Willamette Valley to the California border, bringing back examples of every spring-blooming wildflower from these diverse habitats. Over 600 species of wildflowers, shrubs, trees, mosses, lichens and ferns will be on display.

Appropriately coinciding this year with the start of Native Plant Appreciation Week, the Glide Wildflower Show is the last full weekend of April each year, produced by a non-profit organization dedicated to educating the public about the value of native plants. Twenty minutes from Roseburg on Highway 138, the Glide Community Center (20062 North Umpqua Highway) hosts the wildflower show.

Artfully vased flowers are grouped by scientific family and labeled with common and scientific names. Botanists key out the identifications. Beside the names, the labels also reproduce Oregon Flora Project (OFP) maps showing where in Oregon the plant has been found, hinting at habitat — west-side forest, coast, alpine — and how widespread or localized the species is.

The flower displays offer many opportunities to learn and enjoy. Compare similar species side by side

to understand their differences. Study all the members of a family to better learn their common characteristics. Encounter uncommon species and ones that don't grow in your region. Delight in the close-up beauty of hundreds of blooms, without ever having to kneel on the ground!

Knowledgeable speakers give talks throughout both days of the show. Topics this year include fungi and forest health, 500 years of wildfire management on the Umpqua, edible and medicinal plants, and the relationship between pollinators and native plants. You can also talk with experts staffing special displays about noxious weeds, edible and medicinal plants, spinning, beekeeping, OFP, and NPSO. On the walls of the room, view photographs of rare and endangered plants that can't be collected for the show. Native plants

*continued on page 8*

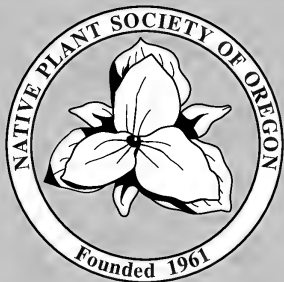


*Visitors enjoying over 700 species of flora at the 2015 show.*

DIANNE MUSCARELLO

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOoregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: `subscribe npsos`

### General Business Address

P.O. Box 902  
Eugene, OR 97440  
or correspond directly with Officers  
and Committee Chairs listed on the  
inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times  
per year. Subscription price speci-  
fied in Membership Form printed on  
inside back cover page of this issue.  
Date and issue number on page 1.

The submission date is the 10th  
of each month for the following  
month's issue except for the Aug/  
Sept issue which is July 24 and the  
Dec/Jan issue which is November  
24. Send submissions by e-mail to  
[bulletin@NPSOoregon.org](mailto:bulletin@NPSOoregon.org).

Opinions expressed in this publica-  
tion are those of the authors of the  
articles. They do not represent the  
opinions of the Native Plant Society  
of Oregon, unless so stated.

## NPSO 2016 Annual Meeting Registration is Now Open

Registration is now open for the 2016 Annual Meeting to be held at the McKenzie River Conference Center, July 15–17.

Registration and liability waiver forms were enclosed in the March *Bulletin*. Printable forms can be accessed via the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg). Information that you will need to complete the forms can be found in recent *Bulletins* and on the website.

The Emerald Chapter encourages you to register early. Deadline for registration, staying at the facility, going on field trips, and attending the Saturday banquet is June 15. The registration fee increases from \$25 to \$40 on May 1.

The Annual Meeting is for NPSO members only. New members are always welcome. If you need to renew a lapsed membership or join NPSO, use the membership form in the NPSO *Bulletin* or visit the NPSO website, [npsoregon.org/membership.html](http://npsoregon.org/membership.html).

The registration form can be used for one or two persons. Before filling out the registration form, carefully read venue, meals, and field trip information. To go on any field trip, eat meals, or stay at the facility, you must register for the meeting. If you stay at the facility the rate is for two nights (required), regardless of occupancy. Please don't forget to read and sign the liability form. Send the completed forms plus your full payment to:

Michael Hartman, Registrar  
NPSO Emerald Chapter  
2878 Firwood Way  
Eugene, OR 97401

Make check(s) or money order(s) to "NPSO Emerald Chapter." We'll confirm via email or phone (if no email). Direct all questions to the Registrar: [hartmani-um@mac.com](mailto:hartmani-um@mac.com). If you must cancel your registration, please notify the Registrar. No refunds will be issued after June 15.



## Ethical Guidelines Updated and Online

The newly updated version of the "NPSO Ethical Guidelines for Collecting, Growing, and Displaying Native Plants" is now available online at [npsoregon.org/documents/ethics.pdf](http://npsoregon.org/documents/ethics.pdf).

The Native Plant Society of Oregon is "dedicated to the enjoyment, conservation, and study of Oregon's native plants and habitats." These activities often involve collecting plants for research or educational purposes (e.g., field trips, display in wildflower shows) and for growing native plants in gardens. The new guidelines describe how to responsibly and ethically use our native plant species for these purposes. They acknowledge that the first rule of all ethical behavior is to "do no harm."

Among other things, the new guidelines provide links to websites for reporting sightings of rare or invasive plants and reading state and federal rules for collecting plants. The section on gardening offers tips for selecting plants for your landscape and what to watch for when purchasing natives from nurseries. For those arranging wildflower shows and native plant sales, there is advice for public education on the value of native plants and for building a constituency that supports our goals of enjoying, studying, and conserving native plants and their habitats.



# NPSO CALENDAR

## State Notes

### NPSO State Board Meeting

**April 23, Saturday, 10 am-2 pm**

Umpqua Valley Chapter will host our spring meeting. Location: Douglas County Natural History Museum, 123 Museum Dr., Roseburg.

### NPSO Annual Meeting 2016

**July 15-17, Friday-Sunday**

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty minute drive from Eugene. Location: McKenzie River Conference Center, Rainbow, Oregon. For the most current information, visit the annual meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg).

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@witechlink.us](mailto:flora.id@witechlink.us).*

**April 20, Wednesday, 7 pm**

**Meeting: Details TBA.** Join us for a presentation by Matthew Campbell. Location: theater room of the Prodigal Son Brewery and Pub, 230 SE Court Ave. in Pendleton. Contact Bruce Barnes, 541-377-2634 for details.

**May 7, Saturday, 9 am-noon**

**Field Trip: Iskulp Creek Overlook.** Iskulp Creek overlook is just beyond the crest of Cabbage Hill, about a 20 minute drive. We'll also make stops at a couple other spots on the way back, returning by noon. Location: meet at the County Health Clinic parking lot (south side), across from the Prodigal Son, to carpool. For information call Bruce Barnes 541-276-5547.

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill*

*Chapter President at [ch\\_president@NPSOOregon.org](mailto:ch_president@NPSOOregon.org).*

**April 28, Thursday, 7 pm**

**Program: Botanical Art through History and Today.** Botanical artist Janet Parker will answer such questions as: Why did the accurate depiction of plant forms disappear for hundreds of years? What botanical artist had a thriving career in the court of Louis XVI? She will

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

have her own botanical art on display and offer cards for sale by the Oregon Botanical Artists. Doors open at 6:45 pm for socializing. Meeting/Program starts at 7:00 pm. Location: Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.). Parking lot entrances on Adams and 2nd Streets. For more information contact Lisa Blackburn, 503-538-3976 or [blackburn-lisag@gmail.com](mailto:blackburn-lisag@gmail.com).

### Save the Date!

**May 28, Saturday, 10 am-3 pm**

**Wildflower Show and Native Plant Sale.**

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter e-mail list, contact Jordan Brown at [co\\_president@NPSOOregon.org](mailto:co_president@NPSOOregon.org) or 253-820-3934.*

**April 10, Sunday, 1-4 pm**

**Work Party: Avery House Native Plant Garden.** Come and help with a spring clean-up in the native plant garden. Bring gloves, raingear, shovel and clippers, and we shall share a snack. Contact Esther McEvoy at 541-754-0893 for more information.

**April 11, Monday, 7:30 pm**

**Meeting/Presentation: Plants of Northeastern Oregon.** Phil Hays visited the Wallowas, Zumwalt Prairie, and Hells Canyon and will share his photos with us. Location: Avery House in Avery Park. For more information contact Esther McEvoy at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

**April 24, Sunday, 9 am**

**Field Trip: Lower North Ridge Trail.** Hike the lower trail and see the early woodland wildflowers like trillium, spring beauty, violets and much more. Wear good hiking boots, come prepared for rain and mud, and bring a lunch. We should be back by early to mid-afternoon. It is about a five mile hike round trip. Location: Meet at the

parking lot across and to the west of the Monroe Beanery, behind Wilkinson Hall. Contact Esther McEvoy for more information at 541-754-0893.

**May 9, Monday, 7:30 pm**

**Meeting/Program: Blackberries in the Willamette Valley.** Blackberries were introduced into the Pacific Northwest for cultivation and have since spread throughout the Willamette Valley. These invasive non-natives are challenging the habitat of our native endemic species. Kim Hummer of the National Germplasm Repository will talk about the ecological challenge, genetics, and diseases of these alien invaders. Location: Avery House in Avery Park. For more information contact Esther McEvoy at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

## Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.

**Meeting Location:** Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

**April 14, Thursday, 6-8 pm**

**Field Trip: Zumwalt Park, Fern Ridge Reservoir.** Ed Alverson and members of Friends of Zumwalt Park will lead an evening tour of Zumwalt Park, a 74 acre Lane County Park located along the southern part of Fern Ridge Reservoir. We will explore the park's remnant prairie flora as well as younger conifer forest, and develop a plant list for the park. Location: Meet at 6 pm in front of the Lowe's store on the NE corner of 11th Ave. and Bailey Hill Rd. Contact Ed Alverson, 541-461-1958, for more information.

**April 21, Thursday, 7 pm**

**Program: Pollination Biology of Mushroom-Mimicking *Dracula* Orchids.** Tobias Policha will share his

dissertation work on the pollination biology of *Dracula* orchids, which grow in the cloud forests of Ecuador. *Dracula* orchids look and smell like mushrooms and are pollinated by mushroom associated flies, making this a remarkable example of mimicry across kingdoms. Inherently ecological, with interactions bridging the three kingdoms of plants, fungi, and the animal pollinators, this system explores networks of biodiversity across scales, from volatile chemistry to behavior. Location: Conference Room at Lane County Mental Health. See above for directions. For more information call 541-521-3964.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com).*

**April 24, Sunday, 10 am-about 1 pm**

**Field Trip: Cape Falcon.** Celebrate Native Plant Appreciation Week with a wildflower hike at Cape Falcon in Oswald West State Park. Hike through dense, old growth conifer forest, along creeks and meadows, to basalt and sandstone cliffs overlooking the ocean. Views overlook Short Sand Beach, Tillamook Head and Cape Lookout. Wildflowers include *Erythronium revolutum*, *Satureja douglasii*, *Kopsiopsis hookeri* (*Boschniakia*), *Poa unilateralis* (ESA threatened), *Artemisia suksdorfii*, *Moneses uniflora*, and *Erigeron glaucus*. Expect a gentle elevation gain of 300 ft. Location: meet at the large Oswald West State Park parking lot on the east side of Highway 101. Contact Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com), to register and if interested in carpooling.

**Save the Date!**

**May 21, Saturday, 10 am-3 pm**

**BioBlitz: Lewis and Clark National Historical Park.** Limited to 12 participants. Contact Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com), to find out how to register.

## High Desert

For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).

**April 22-24, Friday-Sunday**

**Field Trip: Glide Wildflower Show.**

Chapter VP Susan Berger will be attending the show and is willing to lead folks to some wildflower hot spots on Friday or Saturday afternoon. Contact the chapter if you'd like to attend.

**April 25, Monday, 4:30-6 pm**

**Open House Tour: Wintercreek Restoration & Native Plant Nursery.**

Wintercreek specializes in the cultivation of central Oregon native plant and wildflower species. Bring a brown bag dinner to enjoy on the scenic grounds of the nursery.

**April 30, Saturday**

**Field Trip: Ochoco Scablands.** Join Jill Welborn, botanist with the Ochoco National Forest, for a field trip featuring native plants of the Ochoco scablands. These unique, shallow-soiled shrub lands sport an array of spring wildflowers and provide habitat for rare endemic plants such as Henderson's needlegrass and Ochoco lomatium. Visit the chapter website for more details.

## Klamath Basin

For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.

## Mid-Columbia

For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).

**April 24, Sunday, 10 am**

**Program: Celebration of Life for**

**Jerry Igo.** Join us for a noon potluck, slide show, and Jerry's NPSO videos among other displays. Location: Mosier Grange. For more information, contact Billy Don Robinson, [bdmeme@gmail.com](mailto:bdmeme@gmail.com).

**April 29, Friday, 6-8 pm**

**Program: Wild About Nature.** We will be participating with our sister Mid-Columbia Chapter, Suksdorfia WNPS. Robert Michael Pyle presents native plant journaling. Location: White Salmon Library, 77 NE Wauna Ave., White Salmon, Wash. For more information, contact Billy Don Robinson, bdmeme@gmail.com.

## Portland

*If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at donj-photo@gmail.com.*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. Beginning in January 2016 the Portland Chapter will have a **NEW MEETING PLACE:** TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Muir Hall; enter the church through the main door off of Belmont between SE 54th and 55th, turn left and the room will be on your right. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**\*Denotes events for Native Plant Appreciation Week, more info available at npawpdx.org.**

**April 14, Thursday, 7 pm**

**Program: The Kalapuya, Their Story and Use of Native Plants.** Follow the original inhabitants of the Willamette and Tualatin Valleys through their history, life-styles, and interactions with more recent Americans up to the current day at Grand Ronde. Their copious use of native plants was innovative and provided them with a generous living. Ginny Maffitt, volunteer botanist and naturalist at the Tualatin River and Wapato Lake National Wildlife Refuges, will present the program. Meeting location: Taborspace, Mt. Tabor

Presbyterian Church, SE 54th and Belmont, see above for details. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

**April 16, Saturday, 8:30 am-4:30 pm**

**Field Trip: Memaloose Hills.** Wild-flower hike in the east Gorge, moderate, 5–6 miles, 800 ft. gain. This hike is jam-packed with flower species, including the rare violet suksdorfia and big shows of balsamroot. It boasts a pioneer road, basalt formations, and views of the Columbia River, Mt. Hood and Mt. Adams. Located just east of the town of Mosier, this hike was a favorite of Russ Jolley. 140 miles round-trip drive. Contact Beth Magnus to sign up and get carpooling info: 503-706-5108, magnuselisabeth@gmail.com.

**April 23, Saturday, 8 am-5:30 pm**

**Field Trip: Sevenmile Hill.** We hope to be on time for masses of blooming balsamroot, lupine, and paintbrush. This area was hit by wildfire in 2014 so we will investigate the effects of this fire on the plants and animals. Moderately difficult cross country, 4 mile hike on steep slopes, 1200 ft. gain. Expect to see: chocolate lilies, Hood River milkvetch, several desert parsleys, sticky-stem penstemon, and about 100 other species. Contact Paul Slichter, 503-661-292 or pslichter@frontier.com, for meeting times and places or for more info.

**April 23, Saturday, 10 am-5 pm**

**Field Trip: Sauvie Island Restoration at Lost Lagoon Farm.** Jane Hartline, Sauvie Island habitat partnership director and her gardener husband Mark have spent the last decade transforming a 3-acre pasture into a sanctuary for plants native to Sauvie Island, birds and other wildlife. Lost Lagoon pond is now surrounded by native ecosystems, including a cottonwood forest, an ash-willow swale and a young oak savannah. 137 bird species have been documented as well as red-legged frogs, beavers, western painted turtles, and two species of salamanders. For more information and directions, see npawpdx.org or contact Willow Elliott, 503-358-5848 or salixsky@hotmail.com.

**\*April 24, Sunday, 9 am-4 pm**

**Field Class: Native Plant Keying Workshop.** This one-day class with Brent Miller at the Johnson Creek Watershed Council will teach you how to use a key to identify live or pressed plants. The first part of the day will be interactive, with plants in a classroom, learning how to read a key and getting familiar with basic technical vocabulary. Later, you'll take your knowledge into the field, keying out plants in their native habitats. Fee: \$10 to cover materials. Please sign up via chapmannj@comcast.net by April 18 to assure that we have enough attendees and to get directions.

**\*April 27, Wednesday, 5:30 pm**

**Field Trip: Canemah Bluff Natural Area.** Metro's Canemah Bluff Natural Area is off US 99E, south of downtown Oregon City. It features restored meadows with camas, *Brodiaea* (cluster-lilies), rosy plecritis, and woods with Oregon white oak and Pacific madrone. Metro's science team has removed invasive plants and strategically thinned trees to recover the oak habitat. Location: 814 NE 4th Ave., Oregon City. Contact jason.clinch@gmail.com to sign up and for directions.

**\*April 29, Friday, 1-3 pm**

**Tour: Metro Native Plant Center.** Join Metro's native plant materials scientist for a guided tour of the Native Plant Center (NPC). The NPC provides rare and uncommon plant materials to habitat restoration projects throughout the metro region. The NPC is a unique place where wild seeds and seeds harvested from NPC beds are processed and propagated. Location: 2661 SW Borland Rd., Tualatin.

**\*April 30, Saturday, 10 am-3 pm**

**Field Trip: Sandy Canyon.** Join NPSO's Ginny Maffitt for a round-trip hike of 4.3 miles on a gradual slope downhill. It will be mostly in the boundaries of Nature Conservancy land, beginning on the cliffs above the Sandy River near Troutdale. We'll pass wildflowers (*Penstemon*, *Sedum*, paintbrush, etc.) on sandstone cliffs, then go through woodlands and rain forest.

*continued on page 6*

Chapter Events, *cont'd*

Many birds may be heard and banana slugs and critters found. We'll lunch along the Sandy River on moss-covered boulders. Contact Ginny Maffitt, mafitt6540@comcast.net, for car-pool site and departure time.

### May 1, Sunday, 1-2 pm

**Workshop: Urban Native Plants and Their Pollinators.** Colleen Lockovich, a local landscape designer with a focus on native plants, will lead a workshop focusing on realistic native plant material for a typical Portland home. She will touch on plant selection (the right plant for the right space), the realities of plant placement (grouping for a bigger impact and accessibility for the insects and birds), and the role of natives in feeding our native pollinators. Location: Garden Fever, 3433 NE 24th Ave., Portland.

### May 1, Sunday, morning

**Field Trip: The Great Camas Scotch Broom Pull.** We have made excellent progress controlling Scotch broom on this piece of property near Carson, Wash. that Russ Jolley loved and cared for. At this work party we will eliminate new sprouts and remove plants we might have missed last time. We'll have saws and loppers. It may be helpful but not necessary for to bring yours also. Please do bring gloves and clippers. We will work from about 9:30 to 11:30, followed by a quick lunch, and, for those who want, a hike at nearby Lost Creek (see below). Please contact Roger Brewer, rogerbrewer@comcast.net, for carpool information.

### May 1, Sunday, afternoon

**Field Trip: Giant Trees of Lost Creek.** The price of admission to this hike is a morning stint of Scotch broom pulling at the Great Camas Patch (see above). Hike underneath the ancient Douglas fir and western red-cedar trees of Lost Creek that Russ Jolley helped save from a timber sale. Expect to walk a fairly easy 1.5-mile loop, crossing streams on logs and climbing over or around fallen trees. Location: we will leave from the Great Camas Patch. Bring water, snacks, hiking boots, and warm jackets

and hats. Contact Susan Saul for more information, susan103saul@gmail.com.

### Save the Date!

### May 12, Thursday, 7 pm

**Program: New Wildflower Hikes in Oregon.**

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: facebook.com/SiskiyouChapterNativePlantSocietyOfOregon.*

### April 9, Saturday, 10 am

**Wildflower Hike: Rough & Ready Botanical Wayside.** Geared for plant enthusiasts and novices alike, this is a short hike on rocky, but relatively level ground, with lots of beautiful wildflowers, many rare or of limited range. A portion of the hike will be along a wheelchair accessible path. We will also discuss issues that affect the Wayside and its rare wildflowers, such as the invasive yellow tuft alyssum. Bring water, lunch if you like, and wear layers and comfortable shoes. Sponsored by Cultural & Ecological Enhancement Network and NPSO. Location: meet at the parking area at Rough & Ready Botanical Wayside south of Cave Junction, Hwy 199 at mile marker 34. For more information call Suzanne at 541-291- 8860.

### April 21, Thursday, 7 pm

**Program: Osborne Photos of the Siskiyou Mountains.** Luke Ruediger will explore the Osborne photos taken from regional fire lookouts in the 1930s, before the landscape was impacted by large-scale road building, industrial logging, or fire suppression. Using these photos, Luke will examine landscape pattern changes in the Siskiyou Mountains of southwestern Oregon over time. Luke is a local naturalist,

environmental activist, blogger, forest restoration ecologist, and author of *The Siskiyou Crest: Hikes, History and Ecology*. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

### May 5, Thursday, 4:30-7 pm

**Walk: Wagner Creek Loop Plant Appreciation.** Join Jeanine Moy, Adopt a Botanical Area coordinator, and Kristi Mergenthaler, Siskiyou Chapter NPSO president, for a woody shrub and tree identification easy walk along the Wagner Creek Loop above Talent. We'll see some lovely non-woody flowering plants too. This shady older riparian forest can be cool so bring layers. Car-pool leaves from Ray's Market in Talent at 4:30 pm. For more info contact Jeanine at 541-488-5789.

### May 7, Saturday, 9-11 am

**Field Trip: Plant Oregon Nursery.** Steve Siewert from Plant Oregon will give a tour and discussion of this 40 acre nursery specializing in native and PNW adapted trees, shrubs, and plants. Plant Oregon has been involved in many riparian restoration projects along the Rogue and Applegate rivers as well as a variety of landscape remediation projects. Location: 8677 Wagner Creek Road, Talent. For more information contact Julie Spelletich, 541-951-1744 or jspelletich@gmail.com.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, sc\_president@NPSOOregon.org.*

### Save the Date!

### June 11, Saturday

**Field Trip: Proposed Veva Stansell Botanical Area.** Limited to 12 participants. Contact Alexis Brickner, sc\_president@npsoregon.org, or Al Collinet, dewbobal@charter.net, to RSVP.

## Umpqua Valley

*Visit umpquavallemnativplants.com for more information on chapter activities or*

to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](http://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.

## Willamette Valley

For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.

**April 14, Thursday, 6 pm**

### **Field Trip: Bush Park Wildflower Walk.**

John Savage of the Willamette Valley Chapter will lead a walk to view dozens of wildflowers in Bush Park and Deepwood Estate. Location: meet at the bottom of the Soapbox Derby track in Bush Park. Free and open to the public. For more information, call 503-399-8615 after 7 pm.

**April 17, Sunday, 9:30 am-noon**

### **Field Trip: Illahe Rare Bulbs Nursery.**

Tour the nursery with owner Mark Akimoff, who is also an environmental technician with the City of Keizer. Illahe Rare Bulbs specializes in hardy bulbs from around the world. The gardens include *Fritillaria*, *Calochortus*, *Brodiaea*, and *Triteleia* species from Oregon and Northern California. The tour, co-hosted by the Willamette Valley Chapter NPSO and the David Douglas Society, is free and open to the public. Space is limited to the first 30 registrants. Location: we will carpool from the Straub Environmental Learning Center parking lot (1320 A Street NE, next to Olinger Pool). For more information and to register, call John Savage after 7 pm at 503-399-8615.

**April 28, Thursday, 7 pm**

**Program: Douglas Fir National Monument.** Stephen Sharnoff, botanical photographer and research associate at the Jepson Herbarium in Berkeley, will discuss efforts to establish a Douglas Fir National Monument in the upper Santiam River Watershed. The proposed monument would cover 760 square miles and include significant stands of old-growth forest. Sharnoff wrote and illustrated *A Field Guide to California Lichens* and is nearing completion of a new photographic guide to the wildflowers of the Sierra Nevada. Free

lecture and open to the public. Location: the Straub Environmental Learning, 1320 A Street NE, next to Olinger Pool.

**April 30, Saturday, 9 am-3 pm**

### **Class and Field Trip: Wildflowers of the Willamette Valley and Cascades.**

Aislinn Adams and John Savage of the Willamette Valley Chapter will show slides of area wildflowers. A field trip will follow the morning presentation. The program, co-sponsored by the Willamette Valley Chapter and the Straub Environmental Learning Center, is open to the public. Location: the class will be at 1320 A St. NE, (next to Olinger Pool, near North Salem High). Cost is \$10. Bring lunch and beverage. Registration is required. For more information and to register, call 503-391-4145.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.

**April, Date TBD**

**Volunteer: Butterfly Garden.** Volunteers are needed to help with site prep for a butterfly garden on Blue Mountain Conservancy land sometime in April. Contact Sue Miller, [sue@bluemountainsconservancy.org](mailto:sue@bluemountainsconservancy.org) or 541-786-2665.

**April 9, Saturday**

**Volunteer: Gangloff Park.** Volunteers are needed to help build a split rail fence to protect native plantings and other small projects at Gangloff Park. We are planning for April 9, with a rain date of April 16. Contact Susan Geer, [susanmgeer@gmail.com](mailto:susanmgeer@gmail.com) or 541-963-0477.

## Native Plant Appreciation Week is April 24-30

This year's Native Plant Appreciation Week poster, designed by Susan Berger, features *Arnica cordifolia*, photographed by Kent Coe. Start your appreciation with a trip to the Glide Wildflower Show, then continue with a hike at Cape Falcon, a native plant center tour, a botanical art talk, a celebration of Jerry Igo's life, a wildflower class, and more. Events are listed in this *Bulletin* and, for the Portland area, online at [npawpdx.org](http://npawpdx.org).

Extend your appreciation throughout the spring by admiring them at more wildflower shows and buying them at native plant sales. For a statewide list of these events, hosted by various non-profits, visit [npsoregon.org/wildflowers.html](http://npsoregon.org/wildflowers.html).





## Glide Wildflower Show, *cont'd*

will be for sale, and in the bookstore you can review an assortment of field guides and other natural science books for adults and children and pick up something to fill out your collection.

Once you've taken in the whole show, head east to encounter wildflowers in their natural environment. At Glide, Highway 138 becomes the Rogue-Umpqua National Scenic Byway, with spectacular vistas of the emerald-green and foaming-white North Umpqua River. World-famous for fly-fishing, its wildflower treasures are a hidden secret. Discover them on a segment of the 79-mile-long North Umpqua Trail, which follows the river with a trailhead every five to ten miles, or on a trail to one of many spectacular waterfalls along this aptly dubbed Highway of Waterfalls.

Just five minutes from Glide is the Swiftwater trailhead. Both mornings of the show, experienced collectors lead guided walks through old growth forest, pointing out and discussing dozens of species of blooming wildflowers and shrubs.

Ten miles from Glide, the beautiful Tioga Bridge crosses the North Umpqua River. On the far side, enjoy the waterfall, then turn upriver on the North Umpqua Trail through old-growth forest lush with salal, wild ginger, and oxalis.

Or drive less than a mile farther to the Susan Creek picnic area. The handicapped-accessible Emerald Trail follows the river back to the bridge, through forest dotted with trillium. Amenities at the picnic area include

restrooms, a covered pavilion, and a river overlook where bald eagles and otter have been spotted.

Another popular hiking choice is Fall Creek Falls Trail, fifteen miles from Glide. Creek and trail wind through monstrous boulders tossed down the mountain in an ancient landslide. A few minutes' walk from the parking lot brings you to a huge boulder topped with a glorious display of fawn lilies glowing in the sunshine. Nearby, a narrow passageway between the boulders delights children and adults alike.

Farther upriver, five other bridges provide more access to the North Umpqua Trail. Pick any one, and even a short walk from the trailhead will reveal carpets of goldthread, western starflower, and vanilla leaf. Weeping cliffs shelter lush hanging gardens of *Romanzoffia* and saxifrages. Dogwood blooms turn toward the sun in forest openings, and everywhere are patches of trillium, fairy slipper, starry false Solomon's seal, and dozens of other miniature treasures.

The Glide Wildflower Show and the trails of the North Umpqua offer the native plant lover a full weekend of fun and delight. Kick off Native Plant Appreciation Week in wildflower heaven, along the spectacular North Umpqua River.

For more information, go to [glidewildflowershow.org](http://glidewildflowershow.org). Lists of lodging and other area attractions can be found in the Visitor Guide at [visitroseburg.com](http://visitroseburg.com). Questions? Send an email to [info@glidewildflowershow.org](mailto:info@glidewildflowershow.org). See you at the show!

## January 2016 NPSO State Board Meeting Highlights

The Board voted to officially create a Publications Committee, as proposed by Cindy Roché and Kareen Sturgeon. This committee will evaluate ongoing publication needs (annual journal, occasional papers, etc.), with an emphasis on electronic publication. Cindy Roché and Kareen Sturgeon also presented guidelines they have written to clarify the criteria and procedures for Fellows nominees.

The NPSO ethical collection guidelines have been updated and reviewed by several NPSO members. They were presented to the Board for comments and the final version will be available on the website.

Cyndi Dion noted that 2015 expenses came in under budget. The new online donations system is working smoothly. The 2016 Budget was approved as proposed. It allows room for adjustment in case *Bulletin* printing costs or EarthShare funds fluctuate, and includes funds for an occasional paper.



## NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of director positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email ([daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu)) for more information.



DIANNE MUSCARELLO

*Iridaceae on display.*

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS..... Sam Friedman, Linda Hardison, Kevin Weitemier (to 6/2016); Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
PRESIDENT ..... Kelli Van Norman..... [president@NPSOregon.org](mailto:president@NPSOregon.org)  
IMMEDIATE PAST PRESIDENT..... Judi Sanders ..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT ..... Lisa Blackburn ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 503-538-3976  
SECRETARY..... Rosalie Crowe ..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org)  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

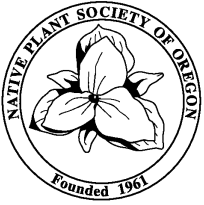
CHEAHMILL ..... Susan Aldrich-Markham ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-537-0587  
CORVALLIS..... vacant ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead..... [cat@featherforge.com](mailto:cat@featherforge.com)  
KALMIOPSIS EDITOR ..... vacant..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



Send change of address notices  
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Native Plant Society of Oregon  
Matt Morales, Membership Chair  
P.O. Box 80714  
Portland, OR 97280

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## Friends of the Oregon Flora Project

What's new with the Oregon Flora Project?

We have made several recent updates to our website, [oregonflora.org](http://oregonflora.org).

- 2,223 new images in the Photo Gallery, including many in the grass family as well as photographs by Gerald Carr
- more than 106,000 new specimen records from other herbaria in the Oregon Plant Atlas
- an errata sheet for *Volume 1* of the *Flora of Oregon* is posted on the /flora.php webpage
- a new webpage with information about gardening with natives

Our *Flora of Oregon Volume 1* has been nominated for the 17th Annual Literature Award by the Council on Botanical and Horticultural Libraries! The winner (of 26 nominees) will be announced late April.

Are you ready for this year's field season? The Oregon Wildflowers plant identification app is a perfect complement to *Flora of Oregon Volume 1* as the most up-to-date plant references for the state.

Your purchases and donations help support the work of the OFP. Remember, all our salaries and operating expenses come from your contributions and competitive grants; we receive no direct support from the university or from state agencies.

Contributions can be made payable to Agricultural Research Foundation, with "OFP" on the memo line. Please note the current address: Agricultural Research Foundation, 1600 SW Western Blvd Ste. 320, Corvallis, OR 97333.



# Bulletin

of the

## Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 49, NO. 4

MAY 2016

### Native Plants...What Are They?

The NPSO listserve hosted a lively discussion in January 2015 regarding the definition of "native plant." (For those who are not familiar with the NPSO listserve, it is a discussion list via email that is open to everyone. To learn more about it or to join, visit [npsoregon.org](http://npsoregon.org) and click on "Online Discussion List Subscribe!") Bruce Newhouse initiated the discussion by proposing that NPSO adopt a definition of "native," and invited input from others. Newhouse noted a 1991 *Kalmiopsis* article by Mark V. Wilson, David E. Hibbs, and Edward R. Alverson that discusses native species in the context of conservation of native ecosystems and landscapes. The authors of this article state that the meaning of "native" is "difficult to define precisely and remains poorly understood." They

suggest a definition based on history and geography: "In the Pacific Northwest, any species that had occurred in a particular ecological habitat before Euro-American settlement is a species native to that habitat." Read the full article online at [npsoregon.org/kalmiopsis/kalmiopsis01.html](http://npsoregon.org/kalmiopsis/kalmiopsis01.html).

A quarter of a century later, when we use the term "native," what do we mean? It apparently is still not a simple issue as several who expressed opinions pointed out in the discussion. There is not enough space in the *Bulletin* for the entire NPSO listserve discussion, so the following comments are a sampling of responses:

*A native plant species is one that occurs naturally in a particular region, ecosystem and/or habitat and was present prior to European settlement. I'd want to clarify "naturally", and the "present prior to European settlement" invites controversy, but it is short and simple.*

-Karl A. Anderson

*A restoration-oriented definition of native:*

*A species occurring in an area since presettlement times that is adapted to the local ecosystem and is sufficiently like adjacent conspecific populations that, if crossed with them, would produce healthy progeny similar to them in genetic composition.*

-Tom Kaye

*As a Backyard Habitat Certified (BYH) garden and volunteer with the local organization, we encourage the interconnected backyard garden planting of*

*native plants. All of the approved plants for certification in BYH must be on a list developed from historical listing from Lewis and Clark, David Douglas, Native local tribe sources etc. For Backyard Habitat purposes native plants are classified as plants bred from original wild stock as our first class choice. Nursery created varieties or imported varieties do not provide nutrition or occasionally incomplete nutrition for birds and insects.*

-MK Nelson

*For a start....A plant "native" to a local area is defined generally as one naturally occurring within the same Ecoregion. More specifically, a plant is locally native if it:*

- was not introduced directly by humans or indirectly by their activities
- is or was naturally growing in the local area
- co-evolved with invertebrates, fungi, and other life forms as part of an ecological web

*Obviously, a paragraph or three of*  
*continued on page 8*

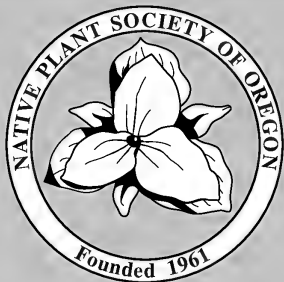


Camassia quamash

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

P.O. Box 902  
Eugene, OR 97440  
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## 2016 Annual Meeting Registration Filling Quickly

The Emerald Chapter is excited to report that early registration for the July 15-17 2016 Annual Meeting has been fantastic. As of the first week in April the meeting is two-thirds filled. The Chapter could reach maximum capacity for the venue in May. This is earlier than the June 15 advertised deadline. Late registrants will be placed on a waiting list.

Lodging in on-site dormitories at the venue is still available. Executive and Coach Lodges on the premises are filled. If you have not yet registered and want lodging other than dormitory, we suggest that you consider alternative off-site housing (motels, cabins, camp grounds), however these are also filling quickly.

Field Trip Chair Bruce Newhouse reports that field trips are filling fast. He has added four more field trips: two Friday afternoon and two Sunday morning. When all trips are at capacity, last registrants will have two self-guided trips from which to choose.

Please check the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), on a regular basis for the most up-to-date information.



## NPSO Board Candidates for 2016

The Nominating Committee's candidates for NPSO state offices are:

President:	Lisa Blackburn
Treasurer:	Cyndi Dion
Directors-at-Large:	Thea Jaster, Michael McKeag, Zak Weinstein

Brief resumes of each candidate, along with the ballot, will be printed in the June *Bulletin*.

We are still lacking candidates for Vice-President and Secretary. Please consider serving our Society. Interested persons and people with suggestions for potential candidates may contact Dan Luoma by email ([daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu)) for more information. Candidates nominated by May 10 will be included on the ballot.

## Online Payments!

You can now renew or start your membership online with your debit or credit card. Just go to [npsoregon.org/online.html](http://npsoregon.org/online.html) or click on Membership on the left side of the NPSO home page ([npsoregon.org](http://npsoregon.org)). You can also make donations to any of the funds that support the mission of NPSO. Of course, you can continue to renew or donate by mail with your check or money order. Questions? Please email [membership@npsoregon.org](mailto:membership@npsoregon.org).



Campanula scouleri

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# NPSO CALENDAR

## State Notes

### NPSO Annual Meeting 2016

**July 15-17, Friday-Sunday**

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty minute drive from Eugene. Location: McKenzie River Conference Center, Rainbow, Oregon. Please check the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), on a regular basis for the most up-to-date information.

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).*

**May 7, Saturday, 9 am-noon**

### Field Trip: Iskulpa Creek Overlook.

Iskulpa Creek overlook is just beyond the crest of Cabbage Hill, about a 20 minute drive. We'll also make stops at a couple other spots on the way back, returning by noon. Location: meet at the County Health Clinic parking lot (south side), across from the Prodigal Son, to carpool. For information call Bruce Barnes, 541-276-5547.

**May 28-29, Saturday-Sunday**

**Field Trip: Zumwalt Prairie.** An overnight field trip to Zumwalt Prairie, northeast of Enterprise. A tram ride up Mt. Howard at the end of Wallowa Lake is possible, but it may be under snow. Another side trip is a visit to Iwetemlaykin State Heritage Site on the east edge of Joseph, which is mostly native prairie, and should be at its peak. Accommodations include motels in Joseph or Enterprise, or a bunk house at Zumwalt Prairie. If you want to go, RSVP right away: 541-377-2634 or [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).

**June 18, Saturday, 8 am**

**Field Trip: Ruckel Ridge.** An all-day trip to Ruckel Ridge from end to end: Ruckel Ridge Grand Ronde

and Umatilla watersheds, between La-Grande and Pendleton. A gravel road rides the ridge for about 12 miles, considered one of the best wildflower places in Oregon. If you are coming from the east, let me know and we can set a time to meet at the Mt. Emily exit off I-84. Location: meet at the Health Dept. parking lot across the street east of the Prodigal Son.

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

**May 28, Saturday, 10 am-3 pm**

**Event: Wildflower Show and Native Plant Sale.** ID wildflowers and weeds, buy native plants, and tour the library's native plant garden. Location: Carnegie Room, McMinville Public Library, 225 NW Adams St. (corner of Hwy 99W and SW 2nd St.). Parking lot entrances on Adams and 2nd Streets. For more information, call 503-835-1042.

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org).*

**May 9, Monday, 7:30 pm**

**Meeting/Program: Blackberries in the Willamette Valley.** Blackberries were introduced into the Pacific Northwest for cultivation and have since spread throughout the Willamette Valley. These invasive non-natives are challenging the habitat of our native endemic species. Kim Hummer of the National Germplasm Repository will talk about the ecological challenge, genetics, and diseases of these alien invaders. Location: Avery House in Avery Park. For more information contact Esther McEvoy at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

**May 15, Sunday 1-4 pm**

**Work Party: Avery House Native Plant Garden.** Come and help spruce up the native plant garden. Bring clippers, shovel, gloves, and a bucket. Contact Esther for more information at 541-754-0893.

**May 22, Sunday, 9 am**

**Hike: Marys Peak.** We will hike from the camp ground to the summit and back through the woods. Bring a lunch,

sturdy hiking boots, and raingear. We will return to Corvallis by mid afternoon. Location: meet at 9 am at the parking lot across from the Monroe Beanery to carpool. Contact Esther at 541-754-0893 to sign up.

## Emerald

*Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.*

**Meeting Location:** Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

**May 1, Sunday, 10 am-noon**

**Field Trip: Mount Pisgah Arboretum.** Join local ecologists Peg Boulay and Bruce Newhouse in enjoying the vibrant spring life at the Mount Pisgah Arboretum. Peg and Bruce will identify and talk about flowers and trees, birds and bees, and anything else you please! Rain or shine. This event is a collaboration between the Arboretum and NPSO. Location: meet at the Arboretum Visitor Center. Cost \$7, Members FREE. Preregistration required, call 541-747-3817 or visit [mountpisgaharboretum.com/workshop-registration](http://mountpisgaharboretum.com/workshop-registration).

**May 13-14, Friday-Saturday**

**Volunteer: Mount Pisgah Arboretum Wildflower Show.** We will spend all day Friday and Saturday morning in the field collecting plants. Please contact Matt Groberg at 541-954-5334 or [botanybudmg@gmail.com](mailto:botanybudmg@gmail.com) for information on how and where you can collect and for assistance on where to obtain the required collection permits for federal, state or city property. Saturday is a chance to work elbow to elbow with field botanists who can identify plants. We need people to help place plants in vases and to identify and put plants out for display at the Arboretum. Come for a couple of hours or all day from 9 am-3 pm. On Sunday, May 15 the Wildflower Show is from 10 am to 5

pm in the Arboretum White Oak Pavilion. Directions: In south Eugene go east from I-5 at 30th Avenue and follow Seavey Loop Road to Mount Pisgah.

**June 4, Saturday, 9 am**

**Field Trip: South Eugene Meadows City Park.** Emily Steel of Eugene Parks and Open Space and Ed Miesen, the former property owner, will lead a tour of this large natural area in the Ridgeline Park System. This park has recently undergone major restoration to improve the condition of regionally rare oak and upland prairie habitats. We will walk 2-3 miles on foot paths and occasionally through vegetation. Location: meet at 19th and Patterson in the South Eugene High School parking lot. We will return to the school before 2 pm. For more information call 541-345-5531.

**June 11, Saturday, 9 am**

**Field Trip: Horse Rock Ridge.** Alan Curtis leads a 3-mile hike to a steep, rocky meadow high in the Coburg Hills north of Springfield. Enjoy wonderful views of the surrounding countryside and great botanical diversity. Bring water and lunch. Location: meet at South Eugene High School, 19th and Patterson. For more information call 541-345-5531.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colecara@yahoo.com](mailto:colecara@yahoo.com).*

**May 21, Saturday, 10 am-3 pm**

**BioBlitz: Lewis and Clark National Historical Park.** Hundreds of National Parks across the country will be celebrating the NPS Centennial with Bioblitzes and Biodiversity Festivals on this day. At this Lewis and Clark event, the focus will be on pollinators and plants along the Netul River. In addition to activities and presentations open to the public, Kathleen Sayce, president of the Filipendula Chapter, will be leading two botanical forays wherein participants will learn the plants in the park

and record the phenology of selected species using the National Phenology Network's Project Budburst protocols. Group size for these inventories will be limited to 12, and participants must sign up through a National Park Service Bioblitz portal. See [nps.gov/lewi](http://nps.gov/lewi) for details.

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

**June 11-12 Saturday-Sunday, 9 am-5 pm**

**Event: Central Oregon Wildflower Show.** Our chapter collaborates with the Sunriver Nature Center to host this annual native plant showcase! Native plants on display, native plant sale, and guest speakers. Volunteers welcome to help out during the two-day show. Admission \$6 adults, \$4 children. For more information, visit the chapter website. Location: Sunriver Nature Center, 57245 River Rd.

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Eliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

**May 13, Friday, 11 am-2 pm**

**Hike: Grass ID with Rick Shory.** Location TBA, Pre-registration will be required. Contact Don Hardin for details at [donhardin2@gmail.com](mailto:donhardin2@gmail.com).

**May 13, Friday, 6-9 pm**

**Program: Grass Recognition.** Co-sponsored by Mid-Columbia NPSO and WNPS Suksdorfia, Rick Shory will present a program that is ALL about the *Poa*. Swing by early for a combined meeting with both boards around 6, program at 7:00. Location: White

Salmon, Wash., details TBA. Contact Don Hardin for details at donhardin2@gmail.com.



USDA-NRCS PLANTS DATABASE

*Poa marcida* from Hitchcock, A.S. (rev. A. Chase). 1950. Manual of the grasses of the United States.

#### May 19, Thursday, 2:30-4:45 pm

**Field Trip: Yellow Star Thistle in the Gorge.** Marty Hudson will lead a tour of two sites infested with yellow star thistle. We will start at the Burdoin Mt. parking area at the base of Courtney Road, several miles east of Bingen. Please contact Will Bloch in advance: 509-493-3572 or willbloch@gorge.net.

#### May 19, Thursday, 7 pm

**Program: Yellow Star-Thistle in the Gorge.** Learn about the location and management of yellow star thistle infestations on Washington side of the Columbia River Gorge. Location: Columbia Gorge Community College, Building 1, Room 1.362, 400 Scenic Drive, The Dalles. Further information: Billy Don Robinson, 503-515-1708 or bdmeme@gmail.com.

## Portland

If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at donj-photo@gmail.com.

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7 pm. Beginning in January 2016 the Portland Chapter will have a **NEW MEETING PLACE:** TaborSpace at Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland. We will meet in Muir Hall; enter the church through the main door off of Belmont between SE 54th and 55th, turn left and the room will be on your right. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

#### May 11, Wednesday, noon

**Field Trip: Urban Lunch-Hour Walk, Tanner Springs Park.** Rick Shory, who has worked throughout the West as a Forest Service botanist, will lead the walk. Location: Tanner Springs Park, between NW Marshall and NW Northrup Sts, and NW 10th and 11th Aves in downtown Portland. The parks department has gathered together in this sunny "restoration ecology" some native wildflowers that you would have to travel far to see in their natural haunts. Meet at the SW corner of NW Marshall St. and NW 11th Ave. If you are late it will be easy to spot us as the entire park is just one city block. Sign up is not required, but will allow the leader to contact you if anything changes: rickshory@gmail.com or 503-253-8100.

#### May 11, Wednesday, 5:30 pm

**Field Trip: Camassia Preserve.** Easy one-mile hike. A profusion of *Camassia quamash* will hopefully be in full bloom as well as 300 other plant species. Location: meet at the entrance, 5000 Walnut Street, West Linn. This trip may be

delayed if weather is not agreeable so contact Jason Clinch at jason.clinch@gmail.com or 503-706-2404 to sign up or with any questions. If you can't get there by 5:30 and still want to join, let Jason know. The preserve is small so you still may be able to join the group.

#### May 12, Thursday, 7 pm

**Program: New Wildflower Hikes in Oregon.** Author William L. Sullivan takes us on a slide show tour of some of the state's spectacular wildflower trails, in both newly preserved wilderness and endangered areas, which he researched for the new editions of his "100 Hikes" guidebooks. His brother, Steven Sullivan, will also be on hand to demonstrate his free online wildflowersearch.com program, which identifies what is blooming when in the USA. William Sullivan's books will be available for purchase. Location: Mt. Tabor Presbyterian Church, SE 54th and Belmont. This event will meet in the Copeland Commons at TaborSpace. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

#### May 19, Thursday, 9 am

**Field Trip: Cape Horn Trail.** Hike from Salmon Falls Road Park & Ride to Nancy Russell Overlook and back. This is a moderate hike of 5 miles round trip with a 700 ft. gain. We will view mid-spring wildflowers. The hike is mostly forest with fantastic views of the Columbia River Gorge at and near the top. Location: meet at Gateway Park & Ride in Portland at 8 am to carpool or at the trailhead at 9 am. Contact Ron Klump at ronklump55@comcast.net for more information or to sign up for the hike.

#### June 9, Thursday, 7 pm

**Program: From Stumptown to Tree Town: Interpreting Portland's History through Heritage Trees.** Portland's heritage trees are rooted in history. Individuals, events, and laws as well as human and natural processes have shaped the city's urban canopy for millennia. David-Paul Hedberg, environmental historian, explores how humans and nature have interacted in the city and how we can connect with the past through heritage trees — the living artifacts of our

*continued on page 6*

Chapter Events, *cont'd*

past. Location: Taborspace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at alphiesmith@comcast.net or 503-288-4340.

### June 11, Saturday, 9 am

**Field Trip: Larch Mt. Hike.** This is a moderate to strenuous hike, an approximately 6.4 mile loop with an elevation gain of 1300 ft. through mostly forest and some riparian. We will also view wildflowers that have emerged from recent snowmelt within the last several weeks. Contact Ron Klump at ronklump55@comcast.net for more information or to sign up for the hike.

### June 19, Sunday, 8 am

**Field Trip: Trapper Creek.** This 5,969-acre wilderness protects most of the Trapper Creek drainage and provides critical anadromous fish habitat in the Wind River watershed. We will take the Sisters Rocks trail from Road 5800 to the top of Observation Peak, passing through a silver fir nature preserve. If we make the entire trip, it is 5.6 miles round trip with a 1390 ft. gain. Expect to see old growth forest plants as well as bear grass, penstemons, paintbrush, gentian, and *Campanula* on the higher rocky outcrops. Leaders: Nancy Chapman and Willow Elliot. To sign up for the hike and get information on carpooling, contact chapmannj@comcast.net.

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: facebook.com/SiskiyouChapterNativePlantSocietyOfOregon.*

### May 5, Thursday, 4:30-7 pm

**Walk: Wagner Creek Loop Plant Appreciation.** Join Jeanine Moy, Adopt a Botanical Area coordinator, and Kristi Mergenthaler, Siskiyou Chapter NPSO

president, for a woody shrub and tree identification easy walk along the Wagner Creek Loop above Talent. We'll see some lovely non-woody flowering plants too. This shady older riparian forest can be cool so bring layers. Carpool leaves from Ray's Market in Talent at 4:30 pm. For more info contact Jeanine at 541-488-5789.

### May 7, Saturday, 9-11 am

**Field Trip: Plant Oregon Nursery.** Steve Siewert from Plant Oregon will give a tour and discussion of this 40 acre nursery specializing in native and PNW adapted trees, shrubs, and plants. Plant Oregon has been involved in many riparian restoration projects along the Rogue and Applegate rivers as well as a variety of landscape remediation projects. Location: 8677 Wagner Creek Road, Talent. For more information contact Julie Spelletich, 541-951-1744 or jspelletich@gmail.com.

### May 19, Thursday, 7 pm

**Program: Species — They May or May Not Be What You Think.** Stephen Meyers will discuss several species concepts and definitions, evaluating the strengths and weaknesses of each concept. Dr. Meyers has a Master's degree in genetics and a Ph.D. in botany from Oregon State University.

Refreshments at 6:45 pm, meeting and program at 7:00. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

### June 2, Thursday, 4 pm

**Field Trip: Wine & Wildflowers at Hobart Bluff.** For flowers and fun, Jeanine and Kristi will lead an interpretive hike to the most scenic location on the Rogue Valley rim (via the Pacific Crest Trail from Soda Mt. Rd.). We'll examine dozens of wildflower species and some of the early butterflies that define the biodiversity of the Cascade Siskiyou National Monument. Location: meet at the Northwest Nature Shop, 154 Oak Street, Ashland, to carpool. For information, email jeanine@kswild.org or call 541-488-5789.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, sc\_president@NPSOregon.org.*

### June 11, Saturday, 9 am

**Field Trip: Proposed Veva Stansell Botanical Area.** Explore a unique botanical area on serpentine soils, 45 minutes east of Gold Beach. This area has been nominated by NPSO and Kalmiopsis Audubon Society as the Veva Stansell Botanical Area. We will be hiking to the top of Signal Buttes and the historic McKinley Mine. Total length is 4.1 miles with 828 ft. gain. Location: meet at the Gold Beach Visitors Center at 9 am to carpool. Bring plenty of water, lunch, snacks, and sturdy boots, poles recommended. Limited to 12 participants, please RSVP. Contact Alexis Brickner at sc\_president@npsoregon.org or Al Collinet at dewbobal@charter.net.

## Umpqua Valley

*Visit umpquavalleynativeplants.com for more information on chapter activities or to be added to our email list. Check out our Facebook page, www.facebook.com/UmpquaValleyNPSO. Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

### May 7, Saturday, 11 am-1 pm

**Field Trip: Silver Falls State Park Wildflower Walks.** As part of the Silver Falls State Park Mother's Day Birding and Wildflower Festival, John Savage of the Willamette Valley Chapter will lead two one-hour wildflower hikes along the rim near the South Falls. Location: meet at the South Falls Stone Circle at 11 am and noon for the start of the trips. Free and open to the public.

### May 13, Friday, 6 pm

**Field Trip: Bush Park Wildflower Walk.** John Savage of the Willamette Valley Chapter will lead a walk to view dozens of wildflowers in Bush Park and

Deepwood Museum and Gardens. Location: meet at the bottom of the Soapbox Derby track in Bush Park. Free and open to the public. For more information, call 503-399-8615 after 7 pm.

**May 21, Saturday, 9 am-12:30 pm**

**Class and Field Trip: Gardening for Pollinators.** Gail Gredler, horticultural instructor at Chemeketa Community College, will talk about garden designs and practices that provide food and habitat for pollinators. Topics include planting flowers that bloom from early spring until late fall, incorporating larval host plants in your landscape, reducing pesticides, and creating nesting sites for native bees. A field trip to the botanical gardens at Willamette University will follow the class. Location: Straub Environmental Center, 1320 A Street NE, Salem 97301, next to Olinger Pool. Cost: \$10. To register, call Catherine Alexander at 503-391-4145 or visit [info@straubenvironmentalcenter.org](mailto:info@straubenvironmentalcenter.org). Co-sponsored by Willamette Valley Chapter and Straub Environmental Center.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.



Gentiana sceptrum

## OTHER EVENTS

Visit [npsoregon.org/wildflowers.html](http://npsoregon.org/wildflowers.html) for information on wildflower shows and native plant sales.

## Oregon Wild

**June 9, Thursday**

**Hike: Lookout Mountain Wildflowers.** Experience the Ochocos in bloom! Hike through old growth ponderosa and fir forests, climbing through open meadows with sweeping views of the Cascade Mountains. Easy to moderate 5 miles round trip with 1100 ft. gain. Location: carpools depart from Bend. For more information and to sign up, visit [oregonwild.org/events/lookout-mountain-wildflower-hike-bend](http://oregonwild.org/events/lookout-mountain-wildflower-hike-bend) or call 541-382-2616.

## Carex Working Group

**June 6-7, Monday-Tuesday (Portland)**

**June 27-28, Monday-Tuesday (Bend)**

**Workshops: Grass Identification.** The first day will be spent in the lab, with the second day in the field. We will use the most recent *Carex* Working Group key to PNW grasses. The Portland workshop will emphasize NW Oregon species; the Bend workshop will emphasize central Oregon species. Participants

should have basic plant identification skills. Cost per workshop: \$285. Instructors: Drs. Barbara Wilson and Cindy Roché. For more information, visit [carexworkinggroup.com](http://carexworkinggroup.com) and click on "Plant Identification Workshops."

## Siskiyou Field Institute

**June 17, Friday**

**Class: Coping with the New Taxonomy.** Did the publication of *The Jepson Manual's* second edition shake your botanical world? This workshop will help you understand why plants are renamed or reassigned to different genera or families. It begins with a slide lecture, followed by study of a series of handouts that summarize the more recent name changes. In the afternoon, we're off to the field to search for plants whose taxonomic placement has changed. Instructor: Linda Vorobik, Ph.D. Location: Siskiyou Field Institute, Selma. Tuition: \$75. For more information or to register, visit [thesfi.org](http://thesfi.org) or call 541-597-8530.

**June 21-23, Tuesday-Thursday**

**Crash Course: Flowering Plant Families.** This intensive plant identification class will enhance your plant systematics skills. We'll create a practical framework for learning by comparing traits of 50 plant families, learn how to key using *The Jepson Manual*, and study names of local trees, shrubs and flowering plants. Morning lab and slide lectures whet appetites for afternoons in the field. Some plant keying experience is strongly recommended. Scholarships available for qualified students. Instructor: Linda Vorobik, Ph.D. Location: Siskiyou Field Institute, Selma. Tuition: \$225. For more information or to register, visit [thesfi.org](http://thesfi.org) or call 541-597-8530.



context would be needed. Significance of "local," meaning of "naturally," movement of plants by indigenous peoples, etc. would need explanation. It should define "shared evolutionary history" and why that is significant. (perhaps the Fender's Blue Butterfly and its small group of host lupines would be a good example to use here). It would need to explain that although many (most?) introduced plants also have some ecological relationships, these tend to differ in scale and type to those that have developed over evolutionary time. Etc.

-Bruce Newhouse

A "native" plant (animal or fungus) has "the 5 'co's' of nativity", that is they are "co-evolved, co-adapted, co-dependent, contributing members of the local Community."

...When I refer to "co-evolved", I am



USDA-NRCS PLANTS DATABASE

*Poa howellii* from Hitchcock, A.S. (rev. A. Chase). 1950. Manual of the grasses of the United States.

not talking about the species being speciated in the location, but in the thousands to millions of years of living in a local area, with the other species and genetic populations of those species, that have been in that area for thousands to millions of years, the local populations of that species would have genetically adapted to the local populations of species around it.

I then came up with, what I call "functional nativity". While a successful new species will generally displace existing species, to varying degrees, they will only do so until the rest of the local community adapts to life with them. There could then come a point, at which removing that species will do more to upset the apple cart of the local community than leaving it in place will. For example, at least in an area where the local Taylor's Checkerspot butterflies have adapted to *Plantago lanceolata* [an introduced species] as their primary host plant, to remove this species from these areas would probably do more to harm the local species diversity...

-Stewart Wechsler

What does "native plant" mean to you? Recurring themes from the listserve discussion include: consideration of genetic variability of one species across multiple ecoregions, the importance of defining "native" for the general public, the naturalization of introduced species and, of course, effects of European settlement in the Americas.

### Native Plants, as Defined by Some Western Native Plant Societies

The native plant definitions below are displayed on the respective Society's website.

#### California Native Plant Society

Our native plants grew here prior to European contact. California's native plants evolved here over a very long period, and are the plants which the first Californians knew and depended on for their livelihood. These plants have co-evolved with animals, fungi and microbes, to form a complex network of relationships. They are the foundation of our native ecosystems, or



*Gentiana calycosa*

natural communities.

#### Native Plant Society of New Mexico

Per Bob Sivinski, retired botanist for the New Mexico Forestry Division:

Five floristic regions with different climates and geologic histories contribute to the rich native flora of New Mexico... The resident plant species that evolved within, or naturally dispersed to these regions are "native" or "indigenous" species. Other plant species that have been introduced into these regions since Europeans began bringing plants to North America are "alien" or "exotic" species.

#### Utah Native Plant Society

Native plants are plants naturally found in nature. These natural plants have adapted to an amazing array of habitats and microclimates, achieving a balance with other living things and forming the foundation for all life.

#### Washington Native Plant Society

Washington native plants are those species that occur or historically occurred within the state boundaries before European contact based upon the best available scientific and historical documentation.



# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS..... Sam Friedman, Linda Hardison, Kevin Weitemier (to 6/2016); Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
PRESIDENT ..... Kelli Van Norman..... [president@NPSOregon.org](mailto:president@NPSOregon.org)  
IMMEDIATE PAST PRESIDENT..... Judi Sanders ..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT ..... Lisa Blackburn ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 503-538-3976  
SECRETARY..... Rosalie Crowe ..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org)  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

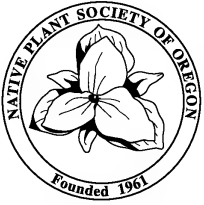
CHEAHMILL ..... Susan Aldrich-Markham ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-537-0587  
CORVALLIS..... vacant ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



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## Friends of the Oregon Flora Project

The Oregon Flora Project is developing a comprehensive reference about the plants of Oregon that includes distribution maps, images of live plants and herbarium specimens, descriptions, and identification tools. The information is available to the public via our website, [www.oregonflora.org](http://www.oregonflora.org). Funding for the Oregon Flora Project comes exclusively from competitive grants and donations from organizations and individuals. The contributions people give of their time and financial resources are a critical part of our operating budget. If you would like to be a part of the team that keeps the OFP progressing, please contact us at [ofpflora@oregonflora.org](mailto:ofpflora@oregonflora.org), or phone 541-737-4338.

Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.



# Bulletin

of the

## Native Plant Society of Oregon

*Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats*

VOLUME 49, No. 5

JUNE 2016

### Candidates for NPSO State Board Positions

The NPSO Nominating Committee offers the following list of candidates for the state offices. Ballots must be returned to the Ballot Counting Committee postmarked by July 1, 2016. Newly elected individuals will assume office during the Annual Meeting.

#### President:

**Lisa Blackburn** (Cheahmill) was born and raised in southern California. She graduated with a B.S. in Renewable Natural Resources and an M.S. in Range Management from the University of California at Davis. Lisa moved to Oregon in 1977. She worked for the Forest Service and Bureau of Land Management for 31 years, retiring in 2007 from the BLM Oregon

state office in Portland. Her interest in plants and geology started during childhood through family camping vacations all over the western United States. Lisa has served as President of the Cheahmill Chapter and most recently served our Society as Secretary and Vice President.

#### Vice President:

**Dan Luoma** (Corvallis) has been a member of NPSO since about 1980. He has previously served as State President, Vice President, and Director-at-large. His academic training is in ecological plant geography. Dan is a professor, specializing in forest mycology, with the Department of Forest Ecosystems and Society at Oregon State University. Dan has taught mycology

at OSU and a course on forest mycology through the Siskiyou Field Institute and Southern Oregon University. Primarily, he pursues research on the diversity of truffles and mushrooms in the forests of the Pacific Northwest. One of Dan's goals for the coming year will be to find a candidate for NSPO Vice President who would like to use the position to gain experience to run for President.

#### Secretary:

Currently no candidate.

#### Treasurer:

**Cyndi Dion** (Siskiyou) has served as the NPSO State Treasurer for the last nine years. Four years ago, she retired from the Oregon Shakespeare Festival (also a non-profit) as the business and accounting manager for thirteen years. Prior to that she was the accounting manager for Jefferson Public Radio and had her own bookkeeping/accounting business for fourteen years, keeping

*continued on page 6*

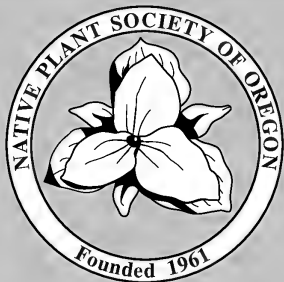


*Linnaea borealis* from *How to Know the Wildflowers* by Frances Theodora Parsons

MARION SATTERLEE

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: `subscribe npsos`

### General Business Address

P.O. Box 902  
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## April 2016 Board Meeting Highlights

by Lisa Blackburn, State Vice President

The NPSO April Board meeting was held as a conference call rather than a meeting.

Annual Meeting 2016 update: Emerald Chapter has received over 100 registrations; they plan to cap attendance at 150. Four new field trips have been added, check the Annual Meeting website for descriptions and which field trips are already full. There are still 2-3 vendor tables available. No student scholarship applications have been received yet.

Treasurer's report: The budget is doing very well. The insurance was renewed and the price did not go up. The online payments system is working well, with 147 memberships received as of April 18. Kathleen Sayce (Filipendula Chapter) offered one hour of time from her non-profit's technical person to help set up a "shopping cart" for membership and donations in PayPal.

Membership Report: there has been an increase in new memberships, with most new members joining on-line. A list of lapsed memberships was sent to Chapter Presidents.

Nominations Committee: Still need candidates for Vice President and Secretary.

Annual Meeting Rotation: Dan Luoma developed a proposed rotation for chapters to host the Annual Meeting. Feedback from the various chapters is needed.

## Emerald Chapter Welcomes Annual Meeting Attendees

The Emerald Chapter is looking forward to the Annual Meeting, July 15-17, 2016, to be held in the beautiful McKenzie River Valley. Registration, facility lodging, and field trips are nearly full as we go to press. Visit the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for the latest information.

See you there!



TANYA HARVEY

## Editor's Note

Members like you fill the pages of the *Bulletin*, from chapter events, to articles, to photos and illustrations. Everyone is welcome to submit content! Remember that if you participate in botanical activities that you find interesting, other NPSO members will likely be interested in reading about them. Native plant species research, NPSO field trip experiences, botanical art, these are just a few of the topics that are published in the *Bulletin*. Send your submissions to the editor at [bulletin@npsoregon.org](mailto:bulletin@npsoregon.org). Images should be JPG format of at least 120 dpi (200+ if edited). For longer articles (500-1,000 words), it is best to contact the editor beforehand if you want the article to be published in a specific issue. Submission deadlines are listed on page 2 of each issue.

# NPSO CALENDAR

## State Notes

### NPSO Annual Meeting 2016

#### July 15-17, Friday-Sunday

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty-minute drive from Eugene. McKenzie River Conference Center, Rainbow, Oregon. A state board meeting will be held on Sunday. Visit the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for the latest information.

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).*

#### June 18, Saturday, 8 am

**Field Trip: Ruckel Ridge.** An all-day trip to Ruckel Ridge from end to end: Ruckel Ridge Grand Ronde and Umatilla watersheds, between LaGrande and Pendleton. A gravel road rides the ridge for about 12 miles, considered one of the best wildflower places in Oregon. If you are coming from the east, let me know and we can set a time to meet at the Mt. Emily exit off I-84. Location: meet at the Health Dept. parking lot across the street east of the Prodigal Son. For more information, contact Bruce Barnes, [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org).*

#### June 5, Sunday, 9 am

**Field Trip: Marys Peak.** We will revisit the lower north ridge trail of Marys

Peak. Bring a lunch and appropriate gear and we will be back by early afternoon. Location: meet at the parking lot behind Oceanography and across from the Monroe Beanery for carpooling. Contact Esther McEvoy for more information at 541-754-0893.

#### June 12, Sunday, 10 am-noon

**Work Party: Avery House Native Plant Garden.** Bring gloves, water,

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

and a bucket for weeds. We will work on weeding the butterfly garden and the front of the garden. Contact Esther McEvoy for more information at 541-754-0893.

## Emerald

*Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.*

**Meeting Location:** Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

#### June 4, Saturday, 9 am

**Field Trip: South Eugene Meadows City Park.** Emily Steel of Eugene Parks and Open Space and Ed Miesen, the former property owner, will lead a tour of this large natural area in the Ridgeline Park System. This park has recently undergone major restoration to improve the condition of regionally rare oak and upland prairie habitats. We will walk 2-3 miles on foot paths and occasionally through vegetation. Location: meet at 19th and Patterson in the South Eugene High School parking lot. We will return to the school before 2 pm. For more information call 541-345-5531.

#### June 11, Saturday, 9 am

**Field Trip: Horse Rock Ridge.** Alan Curtis leads a 3-mile hike to a steep, rocky meadow high in the Coburg Hills north of Springfield. Enjoy wonderful views of the surrounding countryside and great botanical diversity. Bring water and lunch. Location: meet at South Eugene High School, 19th and Patterson. For more information call 541-345-5531.

#### July 9, Saturday, 9 am-4 pm

**Field Trip: Upper Elk Meadows.** Alan Curtis leads this hike, located 30 miles from Cottage Grove. Elevation is 4,000

ft. Over 200 species of vascular plants have been identified here. We expect to see *Fraseria umpquaensis* and several orchid species. Surrounding the meadow is an old-growth forest of *Abies amabilis*, *Abies grandis*, and *Pseudotsuga menziesii*. We will walk 1.5 miles through moist meadow. Wear boots and bring lunch and water. Location: meet at South Eugene High School at 19th and Patterson. For more information call 541-345-5531.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, colecarla@yahoo.com.*

**June 25, Saturday, 8 am-mid afternoon**

**Car Tour: Nicolai Mountain.** Driving stops include: eastern to southern sides of Nicolai Mt. featuring species more characteristic of the Willamette Valley, western side featuring Coast Range habitats, and the top, with extensive scrublands of *Symphoricarpos mollis*, *Lilium columbianum*, *Iris tenax* and other ridge top species. This trip is on heavily used logging roads, SUV type vehicles are preferred. Group size limited to 12. Vehicles limited to three. Location: meet at the parking lot at Columbia River Maritime Museum, Hwy 30 on the river east of downtown Astoria. Contact Carla Cole, colecarla@yahoo.com, to register. If you sign up and then cannot participate, please let Carla know as soon as possible.

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

**June 2, Thursday, 9 am**

**Hike: Mill Creek.** Join John Unruh on an easy hike up the Mill Creek drainage in the Ochoco Mountains. The hike starts at the Wildcat campground and meanders with and through the creek for 3 or so miles (depending on how much we stop for plants). Bring Texas

or flip flops for multiple creek crossings. Multiple species of flowers are seen on this riparian hike. Location: meet in Prineville at Ray's grocery parking lot on the east side of town on Highway 26. We should be back to town by 3:30 or 4:00.

**June 11-12 Saturday-Sunday, 9 am-5 pm**

**Event: Central Oregon Wildflower Show.** Our chapter collaborates with the Sunriver Nature Center to host this annual native plant showcase! Native plants on display, native plant sale, and guest speakers. Volunteers welcome to help out during the two-day show. Admission \$6 adults, \$4 children. For more information, visit the chapter website. Location: Sunriver Nature Center, 57245 River Rd.

**June 18, Saturday, 8 am**

**Hike: Lady Slipper Orchids.** Join Leslie Olson to find lady slipper orchids in the Ochocos, east of Mitchell. Drive time is about 2 hrs. The hike is about 4 miles round trip. We can also look in the meadows for camas and other wetland flowers, as well as ragged robins on the roadsides afterwards. Location: meet at Pilot Butte State Park parking lot (east side). It will be a full day, so bring lunch, water, pack, hat, appropriate clothing and hiking boots or shoes.

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

**June 11, Saturday**

**Meeting: Mosier Nature Walk and Potluck.** Mike McKeag has generously offered to host an afternoon nature walk and evening potluck at his home in Mosier. Walking options include meadow, oak woodland, and views of the Columbia River and the Cascades. Bring a warm layer for the telescopic

astronomy that will ensue after sunset! Further information and driving directions: Billy Don Robinson, 503-515-1708 or [bdmeme@gmail.com](mailto:bdmeme@gmail.com).

## Portland

*If you would like to receive the chapter's semi-official e-mail newsletter, The Calochortus, e-mail Don Jacobson at [donj-photo@gmail.com](mailto:donj-photo@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. **New meeting location for 2016:** Mt. Tabor Presbyterian Church at SE 54th and Belmont (referred to as Taborspace). We will meet in Muir Hall; enter the church through the main door off of Belmont between SE 54th and 55th, turn left and the room will be on your right. Parking is available in the church lot on the NW corner of SE 54th and Belmont. Meetings and programs begin at 7 pm.

**June 9, Thursday, 7 pm**

**Program: From Stumptown to Tree Town: Interpreting Portland's History through Heritage Trees.** Portland's heritage trees are rooted in history. Individuals, events, and laws as well as human and natural processes have shaped the city's urban canopy for millennia. David-Paul Hedberg, environmental historian, explores how humans and nature have interacted in the city and how we can connect with the past through heritage trees — the living artifacts of our past. Location: Taborspace, Mt. Tabor Presbyterian Church, SE 54th and Belmont. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

**June 11, Saturday, 9 am**

**Field Trip: Saddle Mountain.** Rick Shory will lead our hike to this botanic gem near the coast. We expect to see *Dodecatheon dentatum*, *Corydalis scouleri*, *Allium crenulatum*, *Lewisia columbiana*, *Sidalcea hendersonii*, *Polypodium scouleri*, *Saxifraga caespitosa*, and many



other species. If we make it to the summit and if the weather cooperates, we'll be treated to a view from Mt. Rainier to Mt. Jefferson. Full day. The hike is a 5 mile round trip with a 1,600 ft. gain, although we will go at a botany pace (slow). Round trip from Portland is 160 miles. Location: meet at Gateway (SW of Fred Meyer) at 9:00 am, or at the trailhead at 11:00 am. For more information and to sign up, contact Rick Shory at rickshory@gmail.com or 503-253-8100.

### June 11, Saturday, 9 am

**Field Trip: Larch Mt. Hike.** This is a moderate to strenuous hike, an approximately 6.4 mile loop with an elevation gain of 1300 ft. through mostly forest and some riparian. We will also view wildflowers that have emerged from recent snowmelt within the last several weeks. Contact Ron Klump at ronklump55@comcast.net for more information or to sign up for the hike.

### June 19, Sunday, 8 am

**Field Trip: Trapper Creek.** This 5,969-acre wilderness protects most of the Trapper Creek drainage and provides critical anadromous fish habitat in the Wind River watershed. We will take the Sisters Rocks trail from Road 5800 to the top of Observation Peak, passing through a silver fir nature preserve. If we make the entire trip, it is 5.6 miles round trip with a 1390 ft. gain. Expect to see old growth forest plants as well as bear grass, penstemons, paintbrush, gentian, and *Campanula* on the higher rocky outcrops. Leaders: Nancy Chapman and Willow Elliot. To sign up for the hike and get information on carpooling, contact chapmannj@comcast.net.

### June 25, Saturday, 8:30 am

**Field Trip: Black Wolf Meadow/Anvil Lake.** Chance to view high marsh wildflowers in a secluded and little visited setting. Boggy conditions: bring rubber boots. We are hoping to see shooting stars, Camas, *Caltha*, *Kalmia*, marsh violets, elephant's head, etc. and sundews (*Drosera*). 2.6 mile round trip hike with a 170 ft. gain. High points: 4,145 ft. expansive meadow and a small lake, west of Timothy Lake near High Rock.

Drive through Estacada, Ripplebrook. Drive time to destination may be close to 2 hrs. Co-leaders: Beth Magnus and Clarice Johnston. Contact Beth Magnus to sign up: 503-706-5108, magnuselisabeth@gmail.com.

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspletich@gmail.com. Join us on Facebook at: facebook.com/SiskiyouChapterNativePlantSocietyOfOregon.*

### June 2, Thursday, 4 pm

**Field Trip: Wine & Wildflowers at Hobart Bluff.** For flowers and fun, Jeanine and Kristi will lead an interpretive hike to the most scenic location on the Rogue Valley rim (via the Pacific Crest Trail from Soda Mt. Rd.). We'll examine dozens of wildflower species and some of the early butterflies that define the biodiversity of the Cascade Siskiyou National Monument. Location: meet at the Northwest Nature Shop, 154 Oak Street, Ashland, to carpool. For information, email jeanine@kswild.org or call 541-488-5789.

### June 23, Thursday, 3 pm

**Volunteer: 2nd Annual Star Thistle Pull at Mariposa Preserve.** Join Julie from the Siskiyou Chapter NPSO, Jeanine from KS Wild, and Armand from Medford BLM for an invasive weed pull at the Mariposa Preserve just south of Ashland. On this point-to-point walk we will continue to clear star thistle in the habitat of the rare Greene's mariposa lily and observe wildflowers growing along the way. Come relax and celebrate our work afterward at El Paraiso restaurant (Clover Lane, Ashland). Location: meet at the El Paraiso parking lot at 3:00 to carpool. We will work until 6:30, then celebrate 7:30-9:00.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter*

*president, Alexis Brickner, sc\_president@NPSOregon.org.*

## Umpqua Valley

*Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](http://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

### June 12, Sunday, 8 am-5 pm

**Field Trip: Marys Peak.** Participants will have the option of hiking from the upper parking lot to the summit to view wildflowers or to hike the North Ridge Trail to the upper parking lot and then to the summit to take in forest flowers as well. Bring food and water. Free and open to the public. For more information, to register, and to arrange carpools, call John Savage at 503-399-8615 after 7 pm.

### July 3, Sunday, 7 am-5 pm

**Field Trip: Iron Mountain.** Enjoy one of the best wildflower hikes in Oregon. Iron Mountain (near Sweet Home) has over 300 different species amid stands of trees and meadows. John Savage of the Willamette Valley Chapter will lead the all-day hike over a seven-mile loop with elevation gain. Bring food and water. Free and open to the public. For more information and to register, call John Savage at 503-399-8615 after 7 pm.

## William Cusick

*Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.*

Candidates, *cont'd*

books for many small businesses and non-profits in the Southern Oregon area. She previously served on the Board of Southern Oregon Land Conservancy as Treasurer, and was also a Board member of the Southern Oregon Child Study and Treatment Center. Currently she spends her time trekking through the southern Oregon area and beyond, trying to remember her botany from her years of study at Southern Oregon University in the eighties.

#### Directors-at-large:

**Thea Cook Jaster** (Emerald) earned her bachelor's degree in Botany from the University of New Hampshire in 1990, minoring in German. The following years were punctuated by a two-year stint in the Peace Corps in Paraguay, working in agroforestry and environmental education, and 5 years working on the botany team for the Latin America Division of The Nature Conservancy in Arlington, Virginia. Thea arrived in Oregon in 2001, in Eugene. During a field season in the Fremont National Forest of south central

Oregon, she performed plant surveys using a combination of floras to key plants, somewhat frustrated, as no single flora contained all the species for the region. Thea realized the need for a single comprehensive flora for Oregon. She was then introduced to the Oregon Flora Project and was subsequently hired as a database manager for the team in 2002, where she has had the pleasure of working ever since. Thea enjoys botanizing, hiking, flat water kayaking, and cross country skiing. She also finds peace working in her garden.

**Michael McKeag** (Mid-Columbia) retired from Intel in 2013 and quickly turned retirement into a full time job "with no days off, no holidays, no paid vacations." He now teaches some classes for Portland Saturday Academy and is involved with the Rose City Astronomers. Photography remains a passion and he lives in a "target rich environment." He feels that he owes a lot to NPSO and that it changed the course of his life. Michael writes: "It was NPSO spring field trips that introduced me to the nooks and crannies of the Columbia River Gorge, and

some of its residents too, particularly Barbara Robinson, and Mike and Jerry Igo. Ultimately my wife and I became residents of the Gorge ourselves, and members of the wonderful little community of Mosier." He is looking forward to teaming up with those who also wish to "see NPSO become irresistible."

**Zak Weinstein** (Portland) grew up with oak savannah and upland prairie behind his home just west of Corvallis. Since a young child, he has loved plants, and as he got older he learned the Latin names of the plants around him and became involved in restoration projects. He naturally went to OSU to study botany. Since completing his B.S. in 2012, Zak has worked several seasons as a field botanist for different agencies and non-profits. These projects have taken him from prairies and forests to montane meadows, wherever his knowledge of Pacific Northwest plants could be helpful. Zak would like to help NPSO invest in its long-term sustainability by attracting young plant appreciators as new members.

## OTHER EVENTS

### Coast Fork Willamette Watershed Council

June 28, Tuesday, 5-7 pm

**Science Pub: Burning for Butterflies, Birds, and Blooms.** A talk with Amanda Stamper, The Nature Conservancy, Oregon fire management officer. Location: Axe & Fiddle, 657 East Main Street, Cottage Grove. For more information, visit [coastfork.org](http://coastfork.org) or call 541-942-5942.

### International Union of Forest Research Organizations (IUFRO)

July 18-21, Monday-Thursday

**Conference: Mistletoes — Pathogens, Keystone Resource, and Medicinal Wonder.** An international conference with plenary sessions, field tours, and networking opportunities. \$450 for full event or \$125 for one day. Location: Southern Oregon University, Ashland. For more information and to register, visit [blogs.oregonstate.edu/mistletoe](http://blogs.oregonstate.edu/mistletoe).



MARION SATTERLEE

*Drosera rotundifolia* from *How to Know the Wildflowers* by Frances Theodora Parsons

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

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### STATE OFFICERS

DIRECTORS..... Sam Friedman, Linda Hardison, Kevin Weitemier (to 6/2016); Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
PRESIDENT ..... Kelli Van Norman..... [president@NPSOregon.org](mailto:president@NPSOregon.org)  
IMMEDIATE PAST PRESIDENT..... Judi Sanders ..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT ..... Lisa Blackburn ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 503-538-3976  
SECRETARY..... Rosalie Crowe ..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org)  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

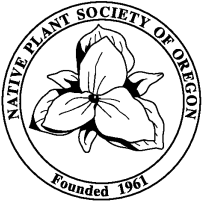
CHEAHMILL ..... Susan Aldrich-Markham ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-537-0587  
CORVALLIS..... vacant ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



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## Friends of the Oregon Flora Project

Version 1.6 of the Oregon Vascular Plant Checklist has been recently published on our website.

Some highlights from this important milestone for plant nomenclature:

- There are 4,620 species, subspecies and varieties of vascular plants in Oregon
- 231 changes were reflected in the Checklist
- 77 plants are now referred to by a different name
- The manuscripts from a completed portion of Volume 2 of the *Flora of Oregon* (plant families Cabombaceae through Euphorbiaceae) are reflected in the Checklist

This information is now reflected in the online Atlas and Photo Gallery. Details can be found in the table "Summary of Recent Checklist Updates" on the checklist page at: <http://oregonflora.org/checklist.php>

Work on Volume 2 is progressing—as of mid-May we have 62% of the manuscripts for the ~ 1670 taxa in hand!

If you find the OFP website helpful in your enjoyment and study of plants, please contribute to insure we can continue to provide this valuable tool! Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.

## 2016 NPSO Ballot

Please mark and return your ballot (postmarked by July 1, 2016) to:

NPSO Ballot Committee  
C/O Michele Wiseman  
2888 NW Garryanna Dr.  
Corvallis, OR 97330

Brief biographies of the candidates appear in this issue of the *Bulletin*. Newly elected individuals take office at the conclusion of the Annual Meeting.

### PRESIDENT

Lisa Blackburn \_\_\_\_\_

write in: \_\_\_\_\_

### VICE PRESIDENT

Dan Luoma \_\_\_\_\_

write in: \_\_\_\_\_

### SECRETARY

(no candidate) \_\_\_\_\_

write in: \_\_\_\_\_

### TREASURER

Cyndi Dion \_\_\_\_\_

write in: \_\_\_\_\_

### DIRECTORS-AT-LARGE (vote for 3)

Thea Cook Jaster \_\_\_\_\_

write in: \_\_\_\_\_

Michael McKeag \_\_\_\_\_

write in: \_\_\_\_\_

Zak Weinstein \_\_\_\_\_

write in: \_\_\_\_\_

Place  
Postage  
Here

NPSO Ballot Committee  
C/O Michele Wiseman  
2888 NW Garryanna Dr.  
Corvallis, OR 97330





# Bulletin

of the

## Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 49, NO. 6

JULY 2016

### Whites in the Minority

Story and photos by Peter Lesica, Clark Fork Chapter

*This article originally appeared in the Fall 2015 issue of Kelseya, the newsletter of the Montana Native Plant Society. Color photos are available in the online Bulletin at [npsoregon.org/publications.html](http://npsoregon.org/publications.html)*

Seems like almost every year someone I know will excitedly tell me that they saw a white shooting star or a white lupine. Of course I'm too jaded to get as excited as they are, but the occurrence of albino flowers does raise some interesting questions. Why is it that albino morphs usually occur in blue- or pink- or red-flowered species, but rarely occur in yellow-flowered

plants? And why is it that for some species the white-flowered forms are always rare, but in other cases they can become quite common or even dominant? The answer to the first question is pretty straightforward but not so for the second one.

The blue, red, pink or purple color of flowers is the result of pigments called anthocyanins, which are manufactured by plants from flavonoids. When one of the genes that contributes to the production of these anthocyanins becomes mutated, the flowers are white instead of colored. Sometimes the occurrence of white-flowered forms relates to pollination. In this case, white- or blue/red-colored flowers

dominate in different populations. For example, Rocky Mountain columbine (*Aquilegia coerulea*) is commonly blue in the central Rocky Mountains, where it is most often visited by bumblebees. However, white-flowered forms, like those found in Montana, are thought to be pollinated more by hawk moths, which are attracted to the lighter-colored flowers. Mathew Streisfeld and collaborators studied the red and whitish forms of orange monkeyflower (*Mimulus aurantiacus* [now *Diplacus aurantiacus*]) in California. They found that a single gene was responsible for the difference in flower color, and that the two forms had different pollinators. They suggest that the two forms are on their way to becoming two different species because interbreeding is unlikely when different insects are attracted to the different forms.

Pollinator preference is not always the explanation when different flower colors are both common.

*continued on page 7*

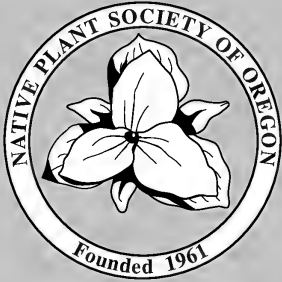


PETER LESICA

*Many populations of shooting star (Dodecatheon conjugens) include albino plants.*

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: `subscribe npsos`

### General Business Address

P.O. Box 902  
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOOregon.org](mailto:bulletin@NPSOOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## Candidate for NPSO State Secretary

Steven Yeager (Emerald) is originally from Philadelphia. Steven moved to the Pacific Northwest in 1994 and has been rooted in Eugene ever since. He began exploring Oregon's wild places and studying the Pacific Northwest's native flora in 1995. Steven is co-owner of the Columbines School of Botanical Studies in Eugene. Columbines offers a unique educational program focusing on community herbalism, including a heavy emphasis on botany that covers plant terminology and using taxonomic keys, ecology, and ethnobotany. He also is the QA/QC director at Mountain Rose Herbs and is responsible for the proper identity of their botanical products. Steven currently serves as NPSO Emerald Chapter President and is on the Boards of United Plant Savers and American Herbal Products Association Foundation for Education and Research on Botanicals.

Voting for this position will take place at the Annual Meeting banquet.



## New Corvallis Chapter President

Please welcome Judi Sanders as the president of the Corvallis Chapter. Judi has been an active NPSO member for several years, from serving as state president to coordinating Native Plant Appreciation Week to working on *Arundo donax* legislation, and more. Thank you to Jordan Brown for serving as chapter president the past couple of years.



## NPSO Petitions for Rare Plants

*by Olivia Duren*

Any concerned Oregon resident can petition to list (or delist) native plant species on the state's threatened and endangered plant list. NPSO members from the Portland, Corvallis, High Desert, and Siskiyou Chapters recently took advantage of this opportunity and submitted petitions to increase protection for four of our rare plant species.

The threatened and endangered plant list, maintained by the Native Plant Conservation Program of the Oregon Department of Agriculture (ODA), is an important tool for protection and management of listed plants on Oregon's non-federal public lands. Citizens are welcome to submit scientific evidence of increasing or decreasing threats to native species that justify amendments to this list. Species that are most appropriate for listing are native to Oregon and rare throughout their range, face threats to natural reproduction potential or habitat, and are inadequately protected by existing state or federal programs or regulations. While a plant must meet certain criteria to be considered for listing (as described in Oregon

*continued on page 6*

# NPSO CALENDAR

## State Notes

### NPSO Annual Meeting 2016

#### July 15-17, Friday-Sunday

Emerald Chapter will host the 2016 NPSO Annual Meeting on a private forested 46 acre property near the majestic McKenzie River, a fifty-minute drive from Eugene. McKenzie River Conference Center, Rainbow, Oregon. A state board meeting will be held on Sunday. Visit the Annual Meeting website, [emerald.npsoregon.org/2016mtg](http://emerald.npsoregon.org/2016mtg), for the latest information.

## Blue Mountain

For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).

## Cheahmill

For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOoregon.org](mailto:ch_president@NPSOoregon.org).

#### Meeting and work party location:

Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville, Ore. 97128. Parking lot entrances on Adams and Second streets. Meetings start at 7 pm. Doors open at 6:45 pm. for socializing.

#### July 23 and August 27, Saturdays, 10 am-noon

#### Work Party: Native Plant Garden.

Join NPSO volunteers tending the native plant garden at McMinnville Public Library. Dress for the weather and bring gloves and gardening tools if possible. No experience is necessary; the garden is a great place to get more familiar with local native species. Location: McMinnville Public Library, see above for details. For more information, contact Susan Williams at [helgesusan@comcast.net](mailto:helgesusan@comcast.net) or 503-538-1865.

## Corvallis

For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOoregon.org](mailto:co_president@NPSOoregon.org).

#### July 7, Thursday, 1-5 pm

**Open House: National Germplasm Repository.** The U.S. Department of Agriculture, Agricultural Research

Service will host an open house. Come see 350 different types of blueberries. You can taste more than 100 different blueberry varieties and see the field collection of northern and southern highbush blueberry, lowbush blueberry, half-highs, and the rabbiteye cultivars, among other species from around the world. Location: 33447 Peoria Road, Corvallis.

#### July 9, Saturday, 8 am

#### Field Trip: Iron Mountain and Cone Peak.

Hike the Iron Mountain Cone Peak loop, identifying wildflowers in this botanical hotspot. We will return in the late afternoon. Bring a lunch and water, dress for the weather, and wear sturdy shoes. Location: meet at the OSU Wilkinson Hall parking lot southwest of the Beanery at 26th and Monroe. For more information and to RSVP, contact Dan: 541-752-8860 or [luomad@fsl.orst.edu](mailto:luomad@fsl.orst.edu).

#### July 10, Sunday, 10 am-noon

**Work Party: Avery House.** Come and help with summer clean-up at the Avery House native plant garden. Bring gloves, clippers, trowel, and a bucket. Contact Esther for more information at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

#### July 16, Saturday, 9 am-noon

#### Field Trip: Backcountry of Bald Hill Farm.

Matt Blakeley-Smith will take us to parts of Bald Hill Farm that are not open to the public. We will explore the hidden corners of the property for milkweed patches and monarch butterflies. This is a rugged off trail hike of about 3 miles that may involve some bush whacking and jumping over creeks. Location: meet at the coffee stand at the Benton County Fairgrounds, 53rd and Reservoir Ave. For more information, contact Matt Blakeley-Smith, [mattbs296@gmail.com](mailto:mattbs296@gmail.com) or 541-231-9861.

## Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

*County plants & the people who love them.*

**Meeting Location:** Conference Room at Lane County Mental Health, 2411 Martin Luther King Blvd. Turn off MLK Blvd. onto Scout Access Rd. across from Autzen and take the first left into the parking lot. The meeting room is on the right side as you face the building.

**July 9, Saturday, 9 am-4 pm**

**Field Trip: Upper Elk Meadows.** Alan Curtis leads this hike, located 30 miles from Cottage Grove. Elevation is 4,000 ft. Over 200 species of vascular plants have been identified here. We expect to see *Frasera umpquaensis* and several orchid species. Surrounding the meadow is an old-growth forest of *Abies amabilis*, *Abies grandis*, and *Pseudotsuga menziesii*. We will walk 1.5 miles through moist meadow. Wear boots and bring lunch and water. Location: meet at South Eugene High School at 19th and Patterson. For more information call 541-345-5531.

**July 23, Saturday, 8:30 am**

**Field Trip: South Jetty Dunes.** Ed Alverson will lead an exploration of coastal dune habitats just south of Florence. In the morning we will visit South Beach Park, a 300 acre undeveloped Lane County Park with extensive dune and deflation plain communities, to develop a plant list. An optional afternoon hike will visit a nearby site on U.S. Forest Service land to look for an adder's-tongue, *Ophioglossum pusillum*, population that was last observed in the 1990s. Each hike will be about 2 miles round trip. Location: meet at South Eugene High School at 19th and Patterson to carpool. For more information, call Ed Alverson at 541-461-1958.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, colecarla@yahoo.com.*

**July 9, Saturday, 9 am**

**Hike: Saddle Mountain.** Join us for an exploration of the diverse habitats found on the tallest mountain in

Clatsop County. Coniferous forests with *Abies amabilis*, *A. grandis*, *A. procera*, and *Taxus brevifolia*; riparian zones, seeps, meadows, talus slopes, and a summit rock garden. Saddle Mountain supports high species diversity, endemics (e.g., *Micranthes hitchcockiana*), and species at their northern (e.g., *Cardamine californica*), southern (e.g., *Geum triflorum* var. *ciliatum*) and western (e.g., *Anemone multifida*) range limits. The trail climbs 1600 ft. in 2.5 miles for a strenuous 5 mile round trip, but at a botanist's pace we won't cover the whole trail. Location: meet at the Saddle Mountain trailhead off Highway 26 at 9 am. Contact Carla Cole at colecarla@yahoo.com to register and if interested in carpooling. The hike will be limited to 12 participants.

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

**August 10, Wednesday**

**Field Trip: Fen Exploration with Rick Dewey.** We will explore a fen on the Soda Creek drainage with Rick Dewey, the Forest Service's bryophyte (moss) expert and wetland enthusiast for the entire Pacific Northwest. Fens are rich in biodiversity and Rick is loaded with information. Come appreciate the minutia and learn about this unique habitat. A hand lens and rubber boots are recommended. Check our website ([www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org)) for details.

**August 20-21, Saturday-Sunday, 9 am-4:30 pm**

**Class: Botanical Illustration.** Learn botanical illustration with local artist Rebecca Brown-Thompson in her studio. You can take one or both classes. Saturday: field sketching class. Learn drawing techniques with an emphasis on plant illustration. \$25 material fee. Sunday: color class. Watercolor painting and colored pencil techniques and color mixing. \$35 material fee. Some drawing experience (i.e. the field sketching class) is required for the color class. Check our website ([www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org)).

org) for details and registration.

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org).*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

The Mid-Columbia Chapter will be in the field for the summer, so no meetings will be held until our September program. Happy botanizing until then.

## Portland

*If you would like to receive the chapter's semi-official email newsletter, The Calochortus, email Don Jacobson at [donjphoto@gmail.com](mailto:donjphoto@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

**Meeting Location:** The Portland Chapter meets the second Thursday of most months. Since January 2016 we have been meeting at TaborSpace in Mt. Tabor Presbyterian Church, 5441 SE Belmont St., Portland, 97215. Enter the church through the main door off Belmont and turn right to enter Copeland Commons. Parking is available in the church lot on the NW corner of SE 54th and Belmont. Meetings and programs begin at 7:00 pm.

**August 6, Saturday, 8 am**

**Field Trip: Silver Star Mountain.** The rocky soil and open meadows of Silver Star Mountain offer subalpine and alpine wildflowers not usually seen at this low (4,390 ft.) elevation. Climbing higher takes us back in time to earlier spring flowers, including *Xerophyllum tenax*, *Calochortus subalpinus*, *Erythronium montanum*, *Lewisia columbiana*, *Ligusticum grayi*, and five penstemon species. The summit view offers five-volcanoes, the Columbia River, and

Vancouver and Portland. This moderate hike is 5.6 miles round trip with a 1240 ft. gain along a high ridge. Hiking boots and poles recommended, bring lunch, water, binoculars, etc. For more information and to sign up, contact Ginny at [Maffitt6540@comcast.net](mailto:Maffitt6540@comcast.net) and include a cell phone number for the hike day.

### September 8, Thursday, 7 pm

**Program: Conservation and Johnson Creek.** Noah Jenkins, riparian program manager of the Johnson Creek Watershed Council, will discuss native wetland plants, removal of invasive vegetation, and the conservation efforts at Johnson Creek Watershed. Location: Copeland Commons at TaborSpace, Mt. Tabor Presbyterian Church, 5441 SE Belmont in Portland. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

## Siskiyou

To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: [jspelletich@gmail.com](mailto:jspelletich@gmail.com). Join us on Facebook at: [facebook.com/SiskiyouChapterNativePlantSocietyOfOregon](https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon).

### July 10, Sunday, 8:30 am

**Field Trip: Cook and Green Pass Botanical Area.** We will visit Elk Meadow Basin in the California portion of the Applegate watershed. Focus of the trip is the flora and a unique wetland. Brewer's spruce, Baker's cypress, azaleas, Wiggins' lily, California ladyslipper orchids, Newberry's gentian, Klamath Mtn. serpentine endemics, etc. Cross-country hiking with lots of elevation gain and loss but not too brushy. Plan on a long day. Location: rendezvous and carpool in the large public parking lot at the west end of West D St. in Jacksonville, Oregon. Call trip leader Wayne Rolle, 541-482-0093, for more information. Folks coming from other locations may call the trip leader to arrange additional rendezvous points.

### July 30, Saturday, 10 am

**Field Trip: Crater Lake National Park.** We will visit Poison Meadows on the western boundary of the Park. Join Jennifer Beck, Crater Lake National Park botanist, for a moderate off trail hike on rolling terrain through forest stands and meadows. We will see a variety of plants, including Mt. Mazama (*Collomia mazama*), leather grape-fern (*Sceptridium multifidum*), and mountain owl clover (*Orthocarpus imbricatus*). Bring lunch, hat, and sunscreen. Location: meet at the junction of Deer Creek Road (NF 6260) and Highway 62 (just east of the junction of Highways 62 & 230). Dirt road drive to hiking spot is 30-45 minutes. For more info, contact [jspelletich@gmail.com](mailto:jspelletich@gmail.com).

## South Coast

This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org).

## Umpqua Valley

Visit [umpquavallemnativeplants.com](http://umpquavallemnativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](https://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.

### August 11, Thursday, 7 pm

**Presentation: Restoring the Monarch Butterfly with Native Plants.** The monarch butterfly, which migrates thousands of miles and has traditionally flourished throughout much of North America, including here in Oregon, is in decline. Tom Landis, retired U.S. Forest Service nursery specialist, will share the current situation of this butterfly and discuss its primary host plant, the milkweed, and the other important nectar plants (ones you can grow in your yard) that help support the butterfly. Find out what we can do to help reverse downward population trends for this impressive species. Our chapter has *Asclepias speciosa* seed to give away. Refreshments will be served. Location: Mercy Community Education Center, 2459 Stewart Parkway, Roseburg.

## Willamette Valley

For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.

### July 3, Sunday, 7 am-5 pm

**Field Trip: Iron Mountain.** Enjoy one of the best wildflower hikes in Oregon. Iron Mountain (near Sweet Home) has over 300 different species amid stands of trees and meadows. John Savage of the Willamette Valley Chapter will lead the all-day hike over a seven-mile loop with elevation gain. Bring food and water. Free and open to the public. For more information and to register, call John Savage at 503-399-8615 after 7 pm.

## William Cusick

Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.



Administrative Rule 603-073), the petition process is meant to be accessible to any knowledgeable plant enthusiast.

NPSO volunteers each chose their favorite rare plant from a list whittled down to the most deserving candidates by botanists at the Oregon Biodiversity Information Center (ORBIC). After gathering the required information and making our best case, we traded petitions for peer review and finally submitted petitions for Acker Rock wild buckwheat (*Eriogonum villosissimum*), a recently described narrow endemic found on rock outcrops near Crater Lake; fragrant kalmiopsis (*Kalmiopsis fragrans*), a shrub associated with steep rocky slopes in the southern Cascades; Ochoco lomatium (*Lomatium ochocense*), a newly described endemic to lava tablelands in the Ochoco Mountains; and sessile mousetail (*Myosurus sessilis*), a tiny annual obligate of vernal pools mostly known from Oregon's Columbia Basin as well as from California.

ODA staff has 90 days from submittal to assess petitions and decide whether or not there is enough scientific evidence to proceed. Petitions without enough evidence are dismissed, while those that are substantiated go on to a detailed two-year review to determine listing of the plant as threatened, endangered, or unlisted. We are happy to report that all four of our petitions were successful in clearing the first hurdle, and are now undergoing in-depth review!

Staff at ODA's Native Plant Conservation Program, together with many collaborators, recently began a major review of Oregon's threatened and endangered plant list that includes consideration of new species to be added, as well as species to be dropped. While new petitions for amending the list are welcome any time, those submitted before the end of 2016 will be particularly helpful to this effort. If you are interested in developing a petition, please contact Olivia Duren at [olivia-duren@gmail.com](mailto:olivia-duren@gmail.com) for ideas of the best candidate species, as well as a petition template and information resources.

## New NPSO Members

Please welcome these new members who joined NPSO between January 11, 2016 and June 12, 2016

### Cheahmill

Alexander Petit

### Corvallis

Gail Arbenbright  
Kimberly Conley  
Ann Geyer  
Michael Gough  
Richard Little  
Gary Radice  
Cindy Sagers  
Isaac Sandlin  
Zak Weinstein

### Emerald

Heron Brae Botanical Studies  
Anna Bradley  
Keiko Bryan  
Joshua Caraco  
Emily Dinan  
Patty Driscoll  
Barbara Dumesnil  
Chuck Gibson  
Robert Ivey  
Theodora Jaster  
Richard Lemon  
Brianna McTeague  
Johanna Schmitt  
Bud Taylor

### Filipendula

Vanessa Garner  
Claudia Rosenthal  
Brooke Stanley  
James Thompson  
Catherine Varing

### High Desert

The Garden Specialist  
Ruth Bucklin  
Sarah Canham  
Judith Foster  
Lisa Foster  
Irv Givot  
Patricia Green  
Virginia Harmon  
Suzanne & Greg Johannsen  
Emilie Marlinghaus  
Lori L. Neal  
Jake Ringold  
Tina Smith  
William & Frances Tweed  
Gerhard Weber  
Krista Winchell  
Cindy Zalunardo

### Klamath Basin

Jan Goodyear

### Members At Large

Judy Bevington  
Alexa DiNicola  
Forrest Pierce

### Mid-Columbia

Izzy Baptista  
Louise Sargent

### Portland

Robin Albrecht  
Amber Ayers  
Deborah Baker  
Reid Bramble

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## Share Your Annual Meeting Photos and Stories

Are you ready for this year's Annual Meeting in the McKenzie River area? Perhaps you will see all eight of the area's *Castilleja* species on field trips, catch up with old friends, or volunteer to help the event run smoothly. After the Annual Meeting, you are invited to gather your memories into text, photos, or illustrations and share them in the *Bulletin*. The October issue will feature an Annual Meeting recap from the Emerald Chapter and members like you. Please submit your articles and/or high resolution images (minimum of 120 dpi) to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org) by September 10.



#### New Members, *cont'd*

Elizabeth Brewster  
Dennis Brown  
Kim Brown  
Heather Buley  
Carolyn Caldwell  
Wing S. Chan  
Darlene Chirman  
Thomas James Dee  
Marci Degman  
Sheila DeLaquil  
Weina Dinata  
Matt Erickson  
Verleen Fletcher  
Zeph Friedman-Sowder  
Jerilyn Gauthier  
Sara Geonczy  
Toni Gonzalez  
Christina Gullion  
Andrea & Ted Heid  
Melissa Jackson  
Lillian & Jericho Knight  
Wendy & Robert Lee  
Jan Lopez  
Daniel Mathews  
Angie Neff  
Antonya Pickard  
Kevin & Emily Schoenfelder  
Karen Schwartz  
Mike & Laurie Skinner  
Elizabeth Stiles  
Margie Willis  
Byerly Woodward

#### Siskiyou

Tony Alexander  
Kim Chignell  
Wendy J. Gere  
Bonnie Johnson  
Peggy Martin  
Goly Ostovar  
Joan Rowe

#### Umpqua Valley

Michael & Madalyn Dixon  
Laurel Fisher

#### Willamette Valley

Mahonia Nursery  
Zena Learning Center LLC  
Richard Jorgensen  
Sharon & John Krimmel  
Matthew Palmquist

#### Whites, *cont'd*

Sandblossoms (*Linanthus parryae*) is an annual of the Mojave Desert with blue and white color forms. Some locations have a preponderance of white-flowered plants, but just a little ways away the blue-flowered form predominates. Doug Schemske and Paulette Bierzychudek examined one such site and found strong evidence that different plant communities with different soils supported different color forms in spite of the fact that they were in close spatial proximity. They were unable to pinpoint the exact mechanism, but it must have been some trait(s) that was connected to flower color rather than the flower color itself.

Missoula phlox (*Phlox kelseyi* var. *missoulensis*) occurs on the hills immediately north of Missoula. Plants with deep blue or white or intermediate flowers occur together. It was assumed that flower color affected pollination, but Lisa Campbell, a graduate student at the University of Montana, spent many hours observing all the different color forms and found that the same insects in equal numbers visited all the forms, and there was no difference in seed set. In this case it appears that flower color has little bearing on survival or reproductive success, just like

eye color in humans.

White and colored flowers may both be common in some species, but more often than not albino forms are rare throughout a plant's range. So what's with that? People often assume that albinos are rare because they lose their pollinators. For example, a common species of larkspur (*Delphinium nelsonii*) is ordinarily blue, but rare white-flowered plants occur near Rocky Mountain Biological Lab in Colorado. Experiments conducted by Nick Waser and Mary Price showed that white-flowered plants produced very few seeds because the primary pollinators, hummingbirds and bumblebees, discriminated against them.

However, pollination is often not involved in albino rarity because anthocyanins do more than just color the flowers. They occur throughout plant tissue and have been shown to protect the leaves and stems from damage by too much solar radiation. Anthocyanins and especially their flavonoid precursors also help protect plants against diseases and insect pests. So anthocyanins and the genetic machinery that make them have a number of functions besides just coloring the flowers and helping attract pollinators, although this is probably what is most noticeable

*continued on page 8*



*Rare albino Lewis monkeyflower.*

PETER LESICA

Whites, *cont'd*

to us. This situation, when a single gene or gene complex influences more than one trait, is called pleiotropy, and it is the overarching reason that albino plants are rare in most populations, although the details vary among species.

Drummond's phlox (*Phlox drummondii*) is a pink- or red-flowered species endemic to Texas with rare white-flowered forms occurring sporadically. Donald Levin and his collaborators found that albino plants were visited as often by their insect pollinators as were their pink-or red-flowered neighbors. However, white-flowered plants produced fewer flowers and had much lower survivorship, and the researchers found that the loss of the gene that produced pink or red flowers also made the plants less able to cope with dry conditions that can be common in Texas.

Northern wallflower (*Parrya nudicaulis*) is a mustard that is common in Alaska. The flowers are usually purple. White-flowered plants do occur, but they are more common in the southern part of the state and virtually non-existent in the north. Researchers found that the same biochemical pathway that produces the purple pigment also enhances cold tolerance. For this reason white-flowered plants can persist in the warmer parts of the state (if any parts can be said to be warm), but do not occur where it is colder.

John Warren and Sally Mackenzie studied five species of British plants that have both bluish and whitish color forms. They found that blue-flowered plants performed better under drought-induced stressful conditions. They surmised that the flavonoids and anthocyanins, which are anti-oxidants and were lower in white-flowered plants, helped the blue-flowered plants overcome stress.

It's a complex world out there. That little albino flower you found could be suffering from lack of pollination or cold or drought or some disease. Perhaps you should take your little white buddy to the natural food store nearest you and get her some

antioxidants. She'll thank you for it.

### Further reading

- Dick, C. A., J. Buenrostro, T. Butler, M. L. Carlson, D. J. Kliebenstein and J. B. Whittall. 2011. Arctic mustard flower color polymorphism controlled by petal-specific down regulation at the threshold of the anthocyanin biosynthetic pathway. *PLoS One* e18230.
- Levin, D. A. and E. T. Brack. 1995. Natural selection against white petals in Phlox. *Evolution* 49: 1017-1022.
- Miller, R. B. 1981. Hawkmoths and the geographic patterns of floral variation in *Aquilegia caerulea*. *Evolution* 35: 763-774.
- Schemske, D. W. and P. Bierzychudek. 2007. Spatial differentiation for flower color in the desert annual *Linanthus parryae*: was Wright right? *Evolution* 61: 2528-2543.
- Streisfeld, M. A., W. N. Young and J. M. Sobel. 2013. Divergent selection drives genetic differentiation in an R2R3-MYB transcription factor that contributes to incipient speciation in *Mimulus aurantiacus*. *PLoS One* 9 e1003385.
- Warren, J. and S. Mackenzie. 2001. Why are all colour combinations not equally represented as flower-colour polymorphisms? *New Phytologist* 151: 237-241.
- Waser, N. M. and M. V. Price. 1981. Pollinator choice and stabilizing selection for flower color in *Delphinium nelsonii*. *Evolution* 35: 376-390.



PETER LESICA

*A completely albino population of lupine (Lupinus argenteus) near Hot Springs, MT*

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS..... Sam Friedman, Linda Hardison, Kevin Weitemier (to 6/2016); Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
PRESIDENT ..... Kelli Van Norman..... [president@NPSOregon.org](mailto:president@NPSOregon.org)  
IMMEDIATE PAST PRESIDENT..... Judi Sanders ..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT ..... Lisa Blackburn ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 503-538-3976  
SECRETARY..... Rosalie Crowe ..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org)  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

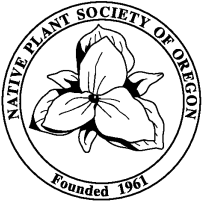
CHEAHMILL ..... Susan Aldrich-Markham ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-537-0587  
CORVALLIS..... Judi Sanders ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) .... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



Send change of address notices  
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Native Plant Society of Oregon  
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P.O. Box 80714  
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## Friends of the Oregon Flora Project

Version 1.6 of the Oregon Vascular Plant Checklist has been recently published on our website.

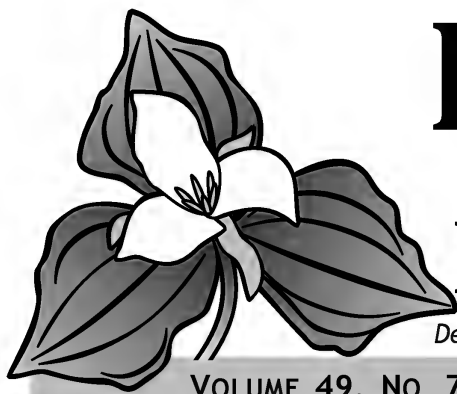
Some highlights from this important milepost for plant nomenclature:

- There are 4,620 species, subspecies and varieties of vascular plants in Oregon
- 231 changes were reflected in the Checklist
- 77 plants are now referred to by a different name
- The manuscripts from a completed portion of Volume 2 of the *Flora of Oregon* (plant families Cabombaceae through Euphorbiaceae) are reflected in the Checklist

This information is now reflected in the online Atlas and Photo Gallery. Details can be found in the table "Summary of Recent Checklist Updates" on the checklist page at: <http://oregonflora.org/checklist.php>

Work on Volume 2 is progressing—as of mid-May we have 62% of the manuscripts for the ~1670 taxa in hand!

If you find the OFP website helpful in your enjoyment and study of plants, please contribute to insure we can continue to provide this valuable tool! Contributions can be made online ([www.oregonflora.org/supportOFP.php](http://www.oregonflora.org/supportOFP.php)) or mailed directly to: Agricultural Research Foundation, 1600 SW Western Blvd. Ste. 320, Corvallis, OR 97333. Please make checks payable to the Agricultural Research Foundation and include "OFP" on the memo line.



# Bulletin

of the

## Native Plant Society of Oregon

*Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats*

VOLUME 49, No. 7

AUGUST/SEPTEMBER 2016

### Rearing Monarch Butterflies

by Lynn Putnam

#### What to do if monarch butterflies lay eggs on your milkweed plants.

We've all been hearing about the decline of monarch butterflies and many of us are planting native milkweed and nectar plants to help them (these gardens are called waystations). Adult butterflies feed on nectar plants and lay their eggs on milkweed, the food source for the larva/caterpillar stage. To meet all the monarch's needs, waystations also include a water source (mud or wet sand) and trees/shrubs for resting and hiding from predators.

Often, however, just creating a waystation isn't enough to ensure their survival. I was recently talking with a

friend who checked every day on an egg, then a larva, on her milkweed she had planted at her house. One day, to her shock, the monarch was gone.

Turns out, 90 to 95 percent do not survive in the wild from egg to adult. Predators include wasps, spiders, and other insects. Birds may try it — once. The sap, or milk, in milkweed is toxic to vertebrates. In fact, don't rub your eyes after handling milkweed with running sap. The milkweed is the monarch's defense, making them distasteful to potential predators.

#### So what can we do?

That was my question when I visited the Butterfly Pavilion at the Elkton

Community Education Center on July 18. It is a great place to learn about monarch butterflies. Barbara Slott, a retired wildlife biologist, now a volunteer at the Center, was on hand to answer questions and show me their facility.

In addition to the Pavilion, the Center has lots of interesting stuff in their gift shop, like butterfly cages and books. They also offer informative workshops. Check their web site for future offerings, [elktonbutterflies.com/butterfly-pavilion.html](http://elktonbutterflies.com/butterfly-pavilion.html).

#### Approaches

One approach is to leave the eggs/larvae outside and cover your milkweed. You'll have to devise a frame and cover it with very fine mesh fabric, with small enough holes to block most flying insects. News flash: I thought monarch butterfly moms only laid eggs

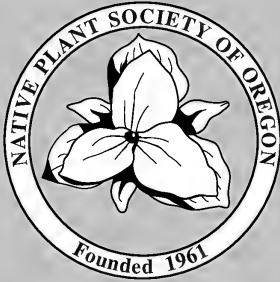
*continued on page 8*



*Lynn Putnam and Barbara Slott at the Butterfly Pavilion.*

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

P.O. Box 902  
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## New State Board Members

New NPSO State Board members were installed at the 2016 Annual Meeting Saturday night banquet. Steven Yeager (Emerald Chapter) was elected secretary by a voice vote prior to the Board installation. Sam Friedman, Linda Hardison, and Kevin Weitemier, the three outgoing Directors, and outgoing President Kelli Van Norman, were recognized for their service. The new NPSO State Board is:

President: Lisa Blackburn  
Vice President: Dan Luoma  
Secretary: Steven Yeager  
Treasurer: Cyndi Dion  
Directors: Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017)  
Thea Cook Jaster, Michael McKeag, Zak Weinstein (to 6/2018)



## New Cheahmill Chapter President

Please welcome Lisa Blackburn as she returns to serve another term as president of the Cheahmill Chapter (effective September 2016), in addition to her new role as president of the state Board. Lisa has been active at the state and chapter level for several years, and previously served as secretary and vice president at the state level. Thank you to Susan Aldrich Markham for serving as chapter president the past couple of years.



## July 2016 NPSO State Board Meeting Highlights

by Steven Yeager, NPSO Secretary

NPSO Committees were reviewed and committee membership updated. Two new committees were formed: an Outreach Committee, which will work closely with other already established committees to get NPSO's messages and practices out to the public; and a Website Committee. These two new committees will need to work closely together.

NPSO membership currently is over 900 members. The ability to join online has directly contributed to the increase in membership.

The Publications Committee has a list of books for volunteers to read and review. Book reviews will be published in either the *Bulletin* or online *Kalmiopsis*. A list of the books will be sent to Chapter Presidents. Contact Kareen Sturgeon if you are interested in being a reviewer.

The Annual Meeting rotation schedule was discussed, particularly the idea of having smaller chapters co-host Annual Meetings. Corvallis and Umpqua Valley will co-host for 2017, and Portland will host for 2018. We still need to get the rotation for 2019 and beyond.

The Board decided to submit an application for an Intel Encore Fellow to assist us in updating the NPSO website. Michael McKeag will take the lead in completing the application, which is due the end of July.



# NPSO CALENDAR

## State Notes

### State Board Meeting

**October 15, Saturday, 10 am-2 pm**

The next Board meeting will be hosted by the High Desert Chapter. Location in Bend to be determined.

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).*

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

### Meeting and work party location:

Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. Parking lot entrances on Adams and Second Streets. Meetings start at 7 pm. Doors open at 6:45 pm. for socializing.

**August 27, Saturday, 10 am-noon**

### Work Party: Native Plant Garden.

Join NPSO volunteers tending the native plant garden at McMinnville Public Library. Dress for the weather and bring gloves and gardening tools if possible. No experience is necessary; the garden is a great place to get more familiar with local native species. Location: McMinnville Public Library, see above for details. For more information, contact Susan Williams at [helgesusan@comcast.net](mailto:helgesusan@comcast.net) or 503-538-1865.

**September 22, Thursday, 7 pm**

### Program: Aphids in Sun and Shade — What Affects their Distribution?

Chad Tillberg, biology professor at Linfield College, will discuss his research at Colorado's Rocky Mountain Biological Lab. Learn how ants and their predators affect the distribution and abundance

of aphids in high-elevation sunny meadows and shady aspen understories where these insect herbivores feed on *Ligusticum porteri*. The speaker will also mention ongoing research on Fender's blue butterfly in the West Eugene Wetlands. Doors open at 6:45 pm for socializing. Location: Carnegie Room, McMinnville Public Library, see above for details.

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

**September 24, Saturday, 10 am-noon**

### Work Party: Native Plant Garden.

Join NPSO volunteers at Work Party No. 200 (Yes, that's right! No. 200!) at the Native Plant Garden at McMinnville Public Library. Dress for the weather and bring gloves and gardening tools if possible. No experience is necessary; the garden is a great place to get more familiar with local native species. Location: McMinnville Public Library, see above for details. For more information, contact Susan Williams at [helgesusan@comcast.net](mailto:helgesusan@comcast.net) or 503-538-1865.

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org).*

**August 20, Saturday, 8 am-late afternoon**

**Field Trip: Triangulation Peak.** This is a new destination in the North Santiam drainage, due to the closure of Highway 20 that makes access to the upper elevations of the South Santiam difficult. There should still be many wildflowers along the way since the trail follows the north side of the mountain at about 5,000 ft. elevation. The view from the top is spectacular. Four miles round-trip, 800 ft. gain, with the first part easy and the last part moderate. Bring lunch and water, walking sticks if you use them, dress for the weather, and wear sturdy shoes. Location: meet at the OSU Wilkinson Hall parking lot, southwest of the Beanery at 26th and Monroe. For more information and to RSVP, contact Dan: 541-752-8860, or [luomad@fsl.orst.edu](mailto:luomad@fsl.orst.edu).

**September 10, Saturday, 9 am**

**Field Trip: Cascade Head.** A lovely trip that will be weather and interest dependent. We will either go to the dunes by boat or hike to the headland. Bring a lunch, raingear, and a boat if you wish to forge the Salmon River to the dunes. We will return in the afternoon. Location: meet at the OSU Wilkinson Hall parking lot, southwest of the

Beanery at 26th and Monroe. Contact Esther McEvoy for more information at 541-754-0893.

### September 18, Sunday, 1-3 pm

**Work Party: Avery House Native Plant Garden.** Help get the native plant garden ready for fall. Bring water, gloves and a hat. Location: Avery Park. Contact Esther McEvoy for more information at 541-754-0893.

## Emerald

*Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.*

**New Meeting Location:** The Stellaria Building, 150 Shelton-McMurphey Boulevard, Suite 104, Eugene. Head east on West 3rd Avenue until it turns into Shelton-McMurphey Boulevard. Stellaria is inside Hummingbird Wholesale.

### September 15, Thursday, 7 pm

**Program: The Exquisite Orchids of Oregon.** Long-time member Charlene Simpson gives a program about orchids native to Oregon. Her program includes a discussion of orchids worldwide: their economic importance, diverse forms, and reproductive strategies. She explores the high cost of pollinator specialization and obligate fungal associations. Charlene illustrates her program with stunning images drawn from her 40-year archive of native plant photos. New meeting location: The Stellaria Building, 150 Shelton-McMurphey Boulevard, Suite 104 in Eugene, see above for details.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com).*

Watch our Facebook page for specifics on these and other chapter activities.

### Date and Time TBD

#### Workshop: iNaturalist Overview.

Learn how to use the iNaturalist

website to track native plant data. We will use the Lewis & Clark National Park's wi-fi connection, and take new users through sign up and into loading and confirming observations, as well as other aspects of iNaturalist. Location: Lewis & Clark National Park, Fort Clatsop Visitor's Center, Warrenton.

### Date and Time TBD

#### Botany Hike: Saddle Mountain.

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

### September 15, Thursday, 7 pm

**Program: Fall Wild Card Night!** We are holding space open for possibilities including a business meeting, a potluck, updating each other about all the cool stuff we saw and pics we took in the summer of 2016, and maybe a short talk. If we don't get it all done, we'll continue during our October meeting. Location: Columbia Gorge Community College, Building 1, Room 1.362, 400 E. Scenic Drive, The Dalles. Further information: Billy Don Robinson, 503-515-1708 or [bdmeme@gmail.com](mailto:bdmeme@gmail.com).

## Portland

*If you would like to receive the chapter's semi-official email newsletter, The Calochortus, email Don Jacobson at [donjphoto@gmail.com](mailto:donjphoto@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant

pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7:00 pm. **MEETING PLACE: Copeland Commons, TaborSpace at Mt. Tabor Presbyterian Church**, 5441 SE Belmont St., Portland. Enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

### September 8, Thursday, 7 pm

**Program: Care and Feeding of Your Stream — Native Reforestation on Private Land.** The Johnson Creek Watershed Council's CreekCare program works with private landowners to control invasive plants along streams in the watershed and replace them with appropriate native riparian species. Hydrologic alterations, land use practices, and landowner wishes pose unique challenges to this work in Johnson Creek. CreekCare seeks the "sweet spot" where native plantings can achieve restoration goals and mesh with the needs and wants of property owners. Noah Jenkins, riparian program manager of the Johnson Creek Watershed Council, will discuss the conservation efforts of the CreekCare program. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

### October 1, Saturday, 9 am

**Field Trip: Abies ("True" Firs) Hike.** Hike leader Rick Shory has worked throughout the West as a Forest Service botanist. There is only one small area southeast of Mt. Hood where all four species of "true" fir (Abies) in the Northwest grow together, making comparison easy. Come learn this important genus of conifers, how to distinguish the species, and tell them apart from other trees. Very easy hike — a quarter mile on river trail and paved road, but you can make it a longer walk if you wish. Location: leave at 9:00 am, from near Gateway MAX station, SW corner of NE Multnomah Street and NE 99th Ave, by Gateway Medical Pharmacy. Or meet on site at 10:30 am. Round trip from downtown Portland, about 140 miles. Contact Rick Shory at

rickshory@gmail.com or 503 253-8100 to sign up for the hike and for the exact site.

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to announce-join@siskiyou.npsoregon.org. No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: jspelletich@gmail.com. Join us on Facebook at: facebook.com/SiskiyouChapterNativePlantSocietyOfOregon.*

**September 15, Thursday, 7 pm**

**Program: Proposed Douglas Fir National Monument — A Template for 21st Century National Forest Conservation and Management.** Stephen Sharnoff will give an overview of the initiative he and Andy Kerr are working on to establish a Douglas Fir National Monument in the upper Santiam River watershed. Visit the initiative's website at [douglasfirnationalmonument.org](http://douglasfirnationalmonument.org). Sharnoff is a botanical photographer

and a research associate at the Jepson Herbarium, UC Berkeley, and the Missouri Botanical Garden. He and his late wife Sylvia did the photographic field-work for *Lichens of North America*. He also wrote and illustrated *A Field Guide to California Lichens*. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org).*

## Umpqua Valley

*Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](http://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John*

*Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

**September 4, Sunday, 7 am-6 pm**

**Field Trip: Jefferson Park.** John Savage will lead a hike to Jefferson Park in the Mt. Jefferson Wilderness about 20 miles beyond Detroit. This is a difficult hike (10 miles with 1,800 ft. gain) to view a wide range of forest and meadow wildflowers as well as spectacular Mt. Jefferson. Hike is free and open to the public, but limited to 11 people. Bring food and water for lunch at Scout Lake. For registration and additional information, call 503-399-8615 after 7 pm.

## William Cusick

*Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.*

## OTHER EVENTS

### Ashland Parks and Recreation

**August-September, Sunday, Wednesday, Friday, 10 am**

**Nature Walks: Lithia Park.** Enjoy beautiful Lithia Park's natural history. Three days a week — Sundays, Wednesdays and Fridays rain or shine, trained volunteer naturalists lead an easy, interesting, 1.5-hour nature walk through Lithia Park. Topics include: trees, flowers, birds, climate, water, geology and the history of the park. Free, pre-registration is not required. Location: meet at the Lithia Park entrance, across from the Plaza in Ashland. For more information, visit [ashlandpark-sandrec.org](http://ashlandpark-sandrec.org) or call 541-488-5340.

### Greenbelt Land Trust

**September 10, Saturday, 9 am-noon**

**'Fitt' to Hike: Farm to Fitton.** Join Greenbelt and the Marys Peak Group of the Oregon Sierra Club as we hike round-trip from Bald Hill Farm to Fitton Green. Explore endangered oak habitat and enjoy panoramic Coast Range vistas while learning why connecting open space is important for wildlife, plants, and recreation. As we walk through newly-restored oak habitat on Mulkey Ridge, Greenbelt staff will talk about the 2-year Woodlands Stewardship Project to enhance remnant oak habitat in the Willamette Valley. To sign up and for more information, email [rebecca@greenbeltlandtrust.org](mailto:rebecca@greenbeltlandtrust.org) or call 541-752-9609.

### Deschutes Land Trust

**September 20, Tuesday, 5-7 pm**

**Tree Walk: Metolius Preserve.** Join Kelly Madden for an evening walk to wander the southern portion of the Metolius Preserve to explore ponderosa pines, larch, fir and other trees. The Metolius basin boasts a unique combination of wetter plants and trees from the west side of the Cascades along with the drier eastern Cascade vegetation. We will explore all that it has to offer. Registration is required and opens one month prior to the event. This is an easy, ~2-3 mile walk on dirt roads and trails with very little elevation gain/loss. For more information and to register, visit [deschuteslandtrust.org/hikes-events/hikes](http://deschuteslandtrust.org/hikes-events/hikes) or call 541-330-0017.

# Soliciting Input for Revising Threatened and Endangered Plants List

by Maelagh Baker

The Native Plant Conservation Program of the Oregon Department of Agriculture is updating the state Threatened and Endangered Plants list. Information will be gathered until December 2016. A draft list has been generated after consultation with regional BLM botanists and the Oregon Biodiversity Information Center. The list of fifty-five taxa to be added includes those petitioned by NPSO as well as some suggested by citizens. Additionally, many Oregon plants with a NatureServe rank of G1 or G2 designating them as especially imperiled are on the draft list, making it quite inclusive at this point. The Native Plant Conservation Program welcomes all information regarding the suitability of each taxon for listing. NPSO members have valuable statewide and regional plant expertise that will help us create the most accurate list of taxa meeting the criteria for listing. Anyone who has input can send it to Maelagh Baker at [bakermoe@oregonstate.edu](mailto:bakermoe@oregonstate.edu) or call 541-415-1032.



Oregon Department of Agriculture  
Native Plant Conservation Program  
Rare Plant Review  
Draft List of Taxa to Review for Potential State Listing

Scientific Name	Common name
<i>Achnatherum wallowaense</i>	Wallowa ricegrass
<i>Allium dictuon</i>	blue mountain onion
<i>Astragalus lemmonii</i>	Lemmon's milk-vetch
<i>Astragalus misellus</i> var. <i>misellus</i>	Pauper milk-vetch
<i>Boechera horizontalis</i>	Crater Lake rockcress
<i>California macrophylla</i> ( <i>Erodium macrophyllum</i> )	large-leaved filaree
<i>Calochortus persistens</i>	Siskiyou mariposa lily
<i>Carex davyi</i>	dry-spike sedge
<i>Carex klamathensis</i>	Klamath sedge
<i>Carex tiogana</i>	Tioga Pass sedge
<i>Castilleja chambersii</i>	Chambers' paintbrush
<i>Castilleja chlorotica</i>	green-tinged paintbrush
<i>Castilleja mendocinensis</i>	Mendocino coast paintbrush
<i>Collomia renacta</i>	Barren Valley collomia
<i>Erigeron stanselliae</i>	Stansell's daisy
<i>Eriogonum cusickii</i>	Cusick's eriogonum
<i>Eriogonum prociduum</i>	prostrate buckwheat
<i>Eriogonum villosissimum</i>	Acker Rock wild buckwheat
<i>Erythranthe inflatula</i> ( <i>Mimulus evanescens</i> )	disappearing monkeyflower
<i>Gilia millefoliata</i>	Seaside gilia
<i>Horkelia congesta</i> ssp. <i>congesta</i>	shaggy horkelia
<i>Horkelia hendersonii</i>	Henderson's horkelia
<i>Iris tenax</i> var. <i>gormanii</i>	Gorman's iris
<i>Ivesia rhypara</i> var. <i>shellyi</i>	Shelly's ivesia
<i>Kalmiopsis fragrans</i>	North Umpqua kalmiopsis
<i>Lasthenia ornduffii</i>	large-flowered goldfields
<i>Lathyrus holochlorus</i>	thin-leaved peavine
<i>Limnanthes floccosa</i> ssp. <i>bellingariana</i>	Bellinger's meadow-foam
<i>Lomatium bentonitum</i>	Bentonite biscuitroot
<i>Lomatium ochocense</i>	Ochoco lomatium
<i>Lomatium pastorale</i>	meadow lomatium
<i>Lomatium suksdorfii</i>	Suksdorf's lomatium

continued on page 7

<i>Lupinus lepidus</i> var. <i>ashlandensis</i>	Mt. Ashland lupine
<i>Meconella oregana</i>	white meconella
<i>Micranthes hitchcockiana</i> ( <i>Saxifraga hitchcockiana</i> )	Saddle Mt. saxifrage
<i>Monardella angustifolia</i>	narrow leaf monardella
<i>Myosurus sessilis</i>	sessile mousetail
<i>Navarretia willamettensis</i>	Willamette navarretia
<i>Penstemon deustus</i> var. <i>variabilis</i>	hot rock penstemon
<i>Perideridia erythrorhiza</i>	red-root yampah
<i>Phacelia inundata</i>	playa phacelia
<i>Phacelia leonis</i>	Siskiyou phacelia
<i>Plagiobothrys figuratus</i> var. <i>corallicarpus</i>	coral seeded allocarya
<i>Prosartes parvifolia</i>	Siskiyou fairy bells
<i>Pyrrocoma scaberula</i>	rough pyrrocoma
<i>Ranunculus tritermatus</i>	Dalles Mt. buttercup
<i>Rorippa columbiae</i>	Columbia cress
<i>Sisyrinchium hitchcockii</i>	Hitchcock's blue-eyed grass
<i>Sisyrinchium sarmentosum</i>	pale blue-eyed grass
<i>Stanleya confertiflora</i>	biennial stanleya
<i>Streptanthus glandulosus</i> ssp. <i>josephinensis</i>	Josephine jewel flower
<i>Tauschia howellii</i>	Howell's tauschia
<i>Trifolium douglasii</i>	Douglas clover
<i>Trifolium leibergii</i>	Leiberg's clover
<i>Utricularia minor</i>	lesser bladderwort

## Call for Fellows Award Nominations

by Kareen Sturgeon and Cindy Roché

The Fellows Committee has developed guidelines for recognizing NPSO members for their exceptional contributions to the Society. The award comes with a certificate of recognition and lifetime membership in the Society. The guidelines are available online at [www.npsoregon.org/fellowsawards](http://www.npsoregon.org/fellowsawards) or by request from the Fellows Committee at [fellows@npsoregon.org](mailto:fellows@npsoregon.org). Nominations for the Fellows Award should be sent by December 31 to the Fellows Committee at [fellows@npsoregon.org](mailto:fellows@npsoregon.org). Nominations should include an essay-describing the nominee's accomplishments and a good quality digital photo of the nominee that is suitable for publication. The Fellows Committee will evaluate completed nominations and recommend awardees to the state Board. Awards will be presented at the next Annual Meeting; biographies and photos of recipients will be posted on the NPSO website.

## Supporting the Cause of Your Choice — It's Never Been Easier

How concerned are you about the quality of air you breathe? What about the natural areas you visit — would you like to visit them 10, 20 or 50 years from now? With ongoing threats to our natural environment, we count on conservation groups to protect our forests, farmland, streams, and air quality.

NPSO is a member of EarthShare Oregon, a nonprofit that allows employees across Oregon to support nearly 80 of the best environmental organizations here at home, and coast to coast.

If you work for the State of Oregon, the federal government, Kaiser Permanente, NW Natural, PGE, or one of more than 100 employers (<http://earthshare-oregon.org/campaigns/workplace-partners>), you can make one-time or regular donations from your paycheck — just by signing up once a year. It's simple and easy.

Please contribute today through EarthShare to restore our forests, reduce landfill waste, develop clean energy, protect threatened land, and safeguard our streams. When you do, you're not only protecting Oregon's

environmental legacy, you're inspiring others to share in that responsibility.

If your workplace does not offer EarthShare Oregon, establishing a partnership is easy. EarthShare staff will work with your employer to set up a program that meets your company's needs.

For more information, please contact Jan Wilson at 503-223-9015 or [jan@earthshare-oregon.org](mailto:jan@earthshare-oregon.org). And visit us at [earthshare-oregon.org](http://earthshare-oregon.org).

## Rearing Monarchs, *cont'd*

on mature, blooming milkweed. However, they'll lay their eggs on even the most newly planted, immature plants (when you gotta lay, you gotta lay). So check your milkweed often.

The best approach is to take the eggs/larvae and raise them indoors. At first, this might sound daunting. But as you'll see, it's easier than it sounds. However, it takes some time — 30 to 32 days from egg to adult.

### What you need

You'll need an upright container, as a little vertical room is useful. You'll also need a clean, sterilized container with a lid with a hole cut out. This works well as a vase to hold and keep the milkweed fresh, as it should be kept in water, but keep the hole fairly small so the larvae won't fall in. Handle the eggs and caterpillars with extreme care.

At this point, it's good to have some idea of the monarch life cycle and the time frames (visit [monarchwatch.org/biology/cycle1.htm](http://monarchwatch.org/biology/cycle1.htm) for more information), as the eggs are really small, and so is the first instar (an eyelash size at first). The egg, chrysalis, and adult stages don't require milkweed. But the caterpillars (larvae) are ravenous. They need fresh milkweed daily. Caterpillars go through five instars, so expect some shedding during this 10–14 day period.

See [monarchjointventure.org/images/uploads/documents/Monarch\\_Rearing\\_Instructions.pdf](http://monarchjointventure.org/images/uploads/documents/Monarch_Rearing_Instructions.pdf) for some rules to follow when raising monarch indoors, most importantly keeping containers clean. Also be aware that monarchs are susceptible to OE



LYNN PUTNAM

*To safely transfer your precious cargo, use a small artist paintbrush.*



LYNN PUTNAM

*Expandable butterfly cage.*

parasite (*Ophryocystis elektroscirrha*), so keeping them in separate cages is a good policy. And while it's good for us to rear monarchs (it is a wonderful education opportunity for children), when butterflies emerge, they should be released at a waystation (hopefully the one where the egg was laid). Monarch butterfly scientists discourage commercially raising or mass-rearing



LYNN PUTNAM

*As I watched, a monarch laid three eggs on a showy milkweed leaf.*

monarch butterflies due to the high possibility of spreading disease (media.wix.com/ugd/9446a7\_9b9fd5aa06814fbda512826d54e1c55c.pdf).

### Other resources

Equipment: [insectlore.com](http://insectlore.com) and [bioquip.com](http://bioquip.com)

Sampling monarchs for infectious disease: [monarchparasites.org](http://monarchparasites.org)

More information about the rearing process: [monarchlab.org/biology-and-research/monarch-rearing](http://monarchlab.org/biology-and-research/monarch-rearing)



## Roots and Leaves Themselves Alone

ROOTS and leaves themselves alone are these,

Scents brought to men and women from the wild woods

and pond-side,

Breast-sorrel and pinks of love, fingers that wind around

tighter than vines,

Gushes from the throats of birds hid in the foliage of trees

as the sun is risen,

Breezes of land and love set from living shores to you on the

living sea, to you O sailors!

Frost-mellow'd berries and Third-month twigs offer'd fresh

to young persons wandering out in the fields when the

winter breaks up

Love-buds put before you and within you whoever you are,

Buds to be unfolded on the old terms, If you bring the warmth of the sun to them they will open

and bring form, color, perfume, to you,

If you become the aliment and the wet they will become

flowers, fruits, tall branches

and trees.

—Walt Whitman



# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

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City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

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### STATE OFFICERS

DIRECTORS..... Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017); Thea Cook Jaster, Michael McKeag, Zak Weinstein (to 6/2018)  
PRESIDENT ..... Lisa Blackburn ..... [president@NPSOregon.org](mailto:president@NPSOregon.org), 503-538-3976  
IMMEDIATE PAST PRESIDENT..... Kelli Van Norman..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT ..... Dan Luoma ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 541-752-8860  
SECRETARY..... Steven Yeager..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org); 541-521-3964  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

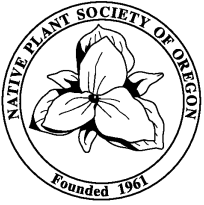
CHEAHMILL ..... Lisa Blackburn ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-538-3976  
CORVALLIS..... Judi Sanders ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Desiree Johnson ..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



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Matt Morales, Membership Chair  
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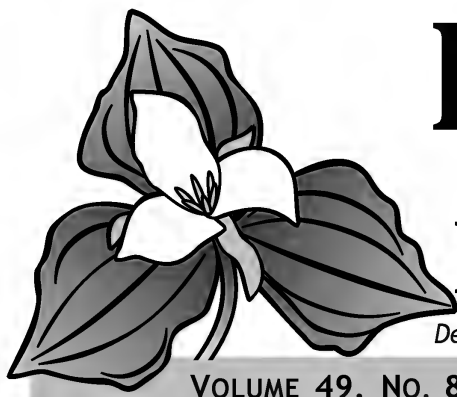


[www.oregonflora.org](http://www.oregonflora.org)

## Friends of the Oregon Flora Project

This fall, we are launching a campaign to sponsor the completion of the *Flora of Oregon*. Your contribution in support of a species description, an illustration, or a front chapter will help us produce the remaining two volumes. We encourage you, as someone knowledgeable about the value of native plants, to share with others the importance of a new Flora for our state. Will you ask a local business you frequent to join your support? -Challenge another nature-focused organization to sponsor a chapter? -Honor a special friend, mentor, or colleague with an illustration in their name?

Sponsorship rates are as follows: \$135/taxon for floristic treatments, \$250 for an illustration, and \$400 for a front chapter. Acknowledgement of your generous support will be published in the corresponding volume. Please see the [oregonflora.org](http://oregonflora.org) website to view the families and genera available for sponsorship, and send your choices and contribution to: Oregon Flora Project, Dept. Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902. Kindly make checks payable to the Agricultural Research Foundation, attn: OFP.



# Bulletin

of the

## Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 49, NO. 8

OCTOBER 2016

### 2016 NPSO Annual Meeting Recap

One hundred fifty-three registrants attended the NPSO Annual Meeting held this July in the beautiful McKenzie River Valley. Host Emerald Chapter is grateful for gorgeous weather and a stellar wildflower display. We are also grateful to have escaped wildfires which closed a few of our trip destinations a couple of weeks after the meeting.

The Emerald Chapter Annual Meeting Committee was chaired by **Jenny Lippert**, who kept us informed and on schedule. Most important, she brokered arrangements with the venue owners and kept us on budget. Jenny acknowledges the committee and exclaims "What a great group!—A joy to work with!"

**Clay Gautier** was our amazing webmaster who worked closely with every committee chair to get their information accessible to members on the web. **Charlene Simpson**, publicity chair, wrote articles for the NPSO

*Bulletin* and Annual Meeting website to tickle the fancy of members across the state. The man with the most difficult job was **Michael Hartman**, registration chair, whose job was to register members for meals, lodging and field trips and let them know what they were registered for. **Bruce Newhouse** was the amazing field trip chair whose job was to select trip locations, enlist trip leaders, and collate information about trips to help members choose. **Mary Beth Averill** was head of the Vendors Committee. **Gail Baker** chaired the Speakers Committee. **Mary Moffatt** made the beautiful handmade bookmarks and table centerpieces. **Steven Yeager** helped with signage and covered the Sunday Board meeting. **Tanya Harvey** helped with field trip ideas, designed the meeting logo and paintbrush key and assisted with T-shirt printing.

The featured plant of the Meeting

was genus *Castilleja*. Artist Tanya Harvey designed the meeting logo featuring cliff paintbrush (*Castilleja rupicola*). Her rendition decked out name tags, registration packets and T-shirts. Field trip leaders pointed out paintbrush species on field trips with the aid of a photo key designed by Tanya.

Ten vendors provided Annual Meeting participants with a variety of nature-themed items for sale. The vendors brought T-shirts, mugs, jewelry, cards, photos, prints, felted birds, hand-painted silk scarves, a digital key to liverworts of Oregon, and books (*Wildflowers of the Pacific Northwest*, *Trees and Shrubs of the Pacific Northwest*, and *Flora of Oregon, Volume 1*). Linda Vorobik donated a framed print for the Emerald Chapter's silent auction. The Oregon Flora Project auctioned a variety of items, including native plants. We thank the following people and organizations for being vendors: Sue Allen, Maggie Bildsprech, Tanya Harvey, Mark Turner, Linda

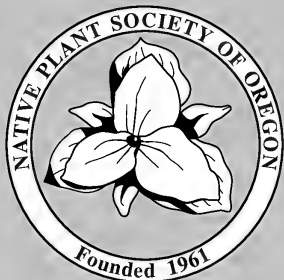
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Bart Johnson leads trip along Lookout Creek Old Growth Trail

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOoregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

P.O. Box 902

Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales

P.O. Box 80714

Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja

Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOoregon.org](mailto:bulletin@NPSOoregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## New High Desert Chapter President

Please welcome Amy Rosendahl as president of the High Desert Chapter. Thank you to Desiree Johnson for serving as chapter president and helping to reactivate this chapter.



## Online Payments Update

A combined payment option is now available on the NPSO website. This option allows you to make a donation to multiple funds, as well as pay for a membership, all in a single credit card transaction! Just go to [npsoregon.org/online.html](http://npsoregon.org/online.html) or click on Membership on the left side of the NPSO home page ([npsoregon.org](http://npsoregon.org)).



## Take Your Best Shot: 2017 Native Plant Appreciation Week Poster Contest

Summer's over . . . but remember all those great photos you took of native plants in Oregon this spring and summer? Now that you're probably spending more time indoors, you could take this opportunity to select the best of your photos and submit them for the Native Plant Appreciation Week Poster Contest. Entries must be submitted online on the NPSO Photo Gallery (<http://npsoregon.org/photos/main.php>) in the album titled "2017 NPAW Photo Contest." Each person may enter two photos of Oregon native plants (photographed in Oregon with photographer name, species or other description, family, common name, location, and date). All entries must be received by December 15, 2016. Photos will be rated on subject matter, composition, and technical excellence. Complete details can be found at: <http://npsoregon.org/photocontest.html>. If you have any questions, please email Judi Sanders, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).



## Updated ORBIC Guide Available

The Oregon Biodiversity Information Center has published its 2016 version of "Rare, Threatened, and Endangered Species of Oregon." This publication lists all taxa with state or federal status or those considered to be rare, declining, or potentially rare but with limited information. To download a copy in PDF and Excel or for information on ordering printed copies, please visit the RTE Publications page at [nr.oregonstate.edu/orbic/rare-species/rare-species-oregon-publications](http://nr.oregonstate.edu/orbic/rare-species/rare-species-oregon-publications).



TANYA HARVEY

*Mountain cat's ear (Calochortus subalpinus)  
on Tidbits Mt.*

# NPSO CALENDAR

## State Notes

### State Board Meeting

**October 15, Saturday, 10 am-2 pm**

The next Board meeting will be hosted by the High Desert Chapter. Location: Pozzi building at the Sunriver Nature Center, 57245 River Road, Sunriver.

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).*

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

### Meeting and work party location:

Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. Parking lot entrances on Adams and Second Streets. Meetings start at 7 pm. Doors open at 6:45 pm. for socializing.

**October 27, Thursday, 7 pm**

**Program: The Kalapuya, Their Story and Use of Native Plants.** Follow the original inhabitants of the Willamette and Tualatin valleys through their history, lifestyles, and interactions with more recent Americans up to the current day in Grand Ronde. The Kalapuyas' copious use of native plants was innovative and provided them with a generous living. Ginny Mafitt, volunteer botanist and naturalist at the Tualatin River and Wapato Lake National Wildlife Refuges, will present the program. Location: Carnegie Room, McMinnville Public Library, see above for details.

**October 29, Saturday, 10 am-noon**

**Work Party: Native Plant Garden.** Join NPSO volunteers tending the

native plant garden at McMinnville Public Library. Dress for the weather and bring gloves, bucket and gardening tools if possible. No experience is necessary; the garden is a great place to get acquainted with our local native species. Location: McMinnville Public Library, see above for details. For more information, contact Catie Anderson at [catie.fishback@gmail.com](mailto:catie.fishback@gmail.com) or 503-435-2401.

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org).*

**October 10, Monday, 7:30 pm**

**Program: Rare Plant Research in Oregon.** Matt Bahm of the Institute for Applied Ecology will give an overview of student research projects on rare plants in Oregon. Location: Avery House in Avery Park, 1200 SW Avery Park Drive, Corvallis. Free and open to the public. For information contact Judi Sanders, [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

**October 23, Sunday, 1-4 pm**

**Work Party: Avery House Native Plant Garden.** We will weed, prune, and gather divisions of plants for the spring garden sale. Location: Avery Park. For more information contact Esther McEvoy at 541-754-0893.

## Emerald

*Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.*

**New Meeting Location:** The Stellaria Building, 150 Shelton-McMurphy Boulevard, Suite 104, Eugene. Head east on West 3rd Avenue until it turns into Shelton-McMurphy Boulevard. Stellaria is inside Hummingbird Wholesale.

**October 20, Thursday, 7 pm**

**Program: Cultivating Native Plants for Harvesting Food and Medicine.**

Local permaculture expert Heiko Koster of Urban Ecogardens extolls the virtues of harvesting the abundance in a garden of native plants. From *Arnica* to elderberry, from waterleaf to wood sorrel, Heiko details the successes and failures of growing and harvesting native food and medicinal plants in local landscapes. The presentation includes plant samples for novices, tinctures to taste-test, and cultivation-guide handouts. Location: The Stellaria Building,

150 Shelton-McMurphey Blvd., Suite 104, Eugene, see above for details. For more information call Heiko at 541-485-7245 or go to [urbanecogardens@gmail.com](mailto:urbanecogardens@gmail.com).

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com).*

Watch our Facebook page for specifics on these and other chapter activities.

**October 19, Wednesday, 3-5 pm**

### Workshop: iNaturalist Overview.

Join us for an iNaturalist workshop for people wanting to learn how to use this online database to enter observations. Bring your laptop; we will use the center's wi-fi connection. Our goal is to show you how to speed up and simplify your data entry process for sightings. Location: Lewis & Clark National Park Visitors Center at Fort Clatsop, Netul Room. For more information, contact Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com).

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

**October 20, Thursday, 7 pm**

### Program: Fostering the Awareness of a Native Tracker Along with the Knowledge of a Modern Scientist.

Presenter Teri Lysak teaches for Cascadia Wild and various primitive skills gatherings. Cascadia Wild "believes in balancing scientific study with

creativity, and professionalism with heartfelt enjoyment." Location: Columbia Gorge Community College, Building 1, Room 1.362, 400 Scenic Drive, The Dalles. Further information: Billy Don Robinson, 503-515-1708 or [bdmeme@gmail.com](mailto:bdmeme@gmail.com).

## Portland

*If you would like to receive the chapter's semi-official email newsletter, The Calochortus, email Don Jacobson at [donjphoto@gmail.com](mailto:donjphoto@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7:00 pm. **MEETING PLACE: Copeland Commons, TaborSpace at Mt. Tabor Presbyterian Church**, 5441 SE Belmont St., Portland. Enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**October 1, Saturday, 9 am**

### Field Trip: *Abies* ("True" Firs) Hike.

Hike leader Rick Shory has worked throughout the West as a Forest Service botanist. There is only one small area southeast of Mt. Hood where all four species of "true" fir (*Abies*) in the Northwest grow together, making comparison easy. Come learn this important genus of conifers, how to distinguish the species, and tell them apart from other trees. Very easy hike — a quarter mile on river trail and paved road, but you can make it a longer walk if you wish. Location: leave at 9:00 am, from near Gateway MAX station, SW corner of NE Multnomah Street and NE 99th Ave, by Gateway Medical Pharmacy. Or meet on site at 10:30 am. Round trip from downtown Portland, about 140 miles. Contact Rick Shory at [rickshory@gmail.com](mailto:rickshory@gmail.com) or 503 253-8100 to sign up for the hike and for the exact site.

**October 13, Thursday, 7 pm**

### Program: Landscapes, Flora, and Fauna of South Africa.

Join Susan Saul and Paul Slichter for an overview of the late summer landscapes, flora, and fauna of South Africa. We'll visit the unique fynbos habitats and several public gardens of the South Cape. We'll also journey north to see the savannah habitats of the Vredefort Dome and Pilanesberg National Park. Location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church, see above for details. Contact: Mary at [alphie-smith@comcast.net](mailto:alphie-smith@comcast.net) or 503-288-4340.

**November 10, Thursday, 7 pm**

### Program: Metro Native Plant Center—Connecting Community and Partners with Seed Conservation and Restoration.

The Metro Native Plant Center's mission is to collect, amplify, and bank herbaceous seed that is commercially unavailable, rare, threatened, uncommon or of importance to Metro restoration projects. Oak woodland, wetlands, and upland prairies are the NPC's focal habitats and will be featured in this presentation by Marsha Holt-Kingsley, Metro native plant materials scientist. Location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church, see above for details. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: [jspelletich@gmail.com](mailto:jspelletich@gmail.com). Join us on Facebook at: [facebook.com/SiskiyouChapterNativePlantSocietyOfOregon](https://facebook.com/SiskiyouChapterNativePlantSocietyOfOregon).*

**October 20, Thursday, 7 pm**

### Program: Land Conservation in Southwest Oregon.

Kristi Mergenthaler, Southern Oregon Land Conservancy stewardship director and Siskiyou Chapter NPSO president, will provide an overview of the Land Conservancy's



work protecting low-elevation farms, streamside forests, rare plants and other special places by working cooperatively with landowners. She will discuss upcoming conservation opportunities, including Rogue River property outside of Eagle Point, a pristine valley near Cave Junction, and Cascade foothills grassland outside of Ashland. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner; [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org).*

## Umpqua Valley

*Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](http://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

## William Cusick

*Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.*

Annual Meeting, *cont'd*

Vorobik, David Wagner, Karen West, the Oregon Flora Project, and the Corvallis and Emerald NPSO Chapters.

Friday and Saturday speakers provided perspective and deeper understanding of the Cascade landscape and the plants that grow there.

Dave Kretzing's Friday evening program about the geology and hydrology of the McKenzie River had us pondering tuyas (eruptions beneath ice sheets) and hydrology pathways created by geologic activity as we looked at the stunning views of the Cascade Range during our field trips. Dave is a retired hydrologist with the McKenzie Ranger District of the Willamette National Forest.

Saturday evening keynote speaker Mark Egger's program focused on paintbrushes (*Castilleja*) and related genera. The diversity of these charismatic plants is wide ranging in color and habitat. Up to eight paintbrush species are documented from the McKenzie River area, many of which were seen on Annual Meeting field trips. Mark has studied the genus *Castilleja* for over 30 years. He is a research associate at the Burke Museum of Natural History in Seattle.

Field Trip Coordinator Bruce Newhouse provides the following summary: field trips came off without a hitch! Better than that, folks seemed to

express great enthusiasm. The positive response after the trips was tremendous! We tried a few new things this year. Thanks to help from Webmaster Clayton Gautier, we put up a map showing all the trip destinations and a comparison table of trip details. We also posted trip summaries, site maps and plant lists wherever available. And we sent first aid kits along on every trip.

We had nine trips Friday afternoon, 15 all-day trips Saturday, and another seven on Sunday morning. A hearty thanks to trip leaders for dedicating time, energy and skill to leading an Annual Meeting trip! Summaries provided by trip leaders consistently mentioned these items as popular:

**Coollest plants:** showy species such as Cascade Lily (*Lilium washingtonianum*) or the several species of paintbrushes; "weird" species such as gnome plant (*Hemitomes congestum*) and other achlorophyllous plants.

**COOLEST NON-PLANT and OTHER category:** a few insects were mentioned, but by far the most commonly mentioned was...VIEWS, VIEWS, VIEWS!

The weather was perfect, the flowers and views marvelous, and the camaraderie of hiking and admiring it all with fellow NPSOers was, as always, the best!

*continued on page 6*



GAIL BAKER

Look for more 2016 Annual Meeting photos in the November *Bulletin*.

*2016 Annual Meeting Committee*

## TRIP SUMMARIES

### FRIDAY

#### Aufderheide Drive (Ethnobotany)

(Steven Yeager, Heron Brae)

**Cooler plants:** Cusick's checkermallow (*Sidalcea cusickii*) and fields of scarlet paintbrush (*Castilleja miniata*).

**Cooler non-plants:** Beautiful S. Fork of the McKenzie River.

**Other highlights:** Eating ripe dwarf bilberry (*Vaccinium caespitosum*) and slender wintergreen (*Gaultheria ovatifolia*).

#### Echo Basin (Alice Smith)

**Cooler plants:** Lewis' monkeyflower (*Erythranthe lewisii*), white bog orchid (*Platanthera dilatata*).

**Cooler non-plants:** Boomer bouquets, glacial cirque.

**Other highlights:** Lazuli bunting.

#### Fish Lake (Dave Kretzing)

**Cooler plants:** Golden chinquapin (*Chrysolepis chrysophylla*), snowbrush (aka tobacco brush) (*Ceanothus velutinus*) and twinflower (*Linnaea borealis*).

**Cooler non-plants:** Historic buildings, especially the view from the deck of the CC Hall House. Lava Corral.



Suksdorf's paintbrush (*Castilleja suksdorfii*) at Park Creek

TANYA HARVEY



ARYANA FERGUSON

View of Cascades from Browder Ridge

**Other highlights:** Exploring the ecotone between the sedge community on the lakebed, and the shoreline vegetation.

#### Frissell Ridge (Aryana Ferguson, Bart Johnson)

**Cooler plants:** A large swath of great polemonium (*Polemonium carneum*), the beautifully colored mountain owl clover (*Orthocarpus imbricatus*), and one cascade lily (*Lilium washingtonianum*).

**Cooler non-plants:** The various species of butterflies and other pollinators (and bugs in general).

**Other highlights:** Amazing views of the Cascades (with the Three Sisters in particular, almost like you could reach out and touch them!)

#### Hand Lake (John Koenig)

**Cooler plants:** Pacific lupine (*Lupinus lepidus*) and Suksdorf's paintbrush (*Castilleja suksdorfii*).

**Cooler non-plants:** Beautiful Cascades views from Mt. Washington to Middle Sister.

**Other highlights:** Sweeps of Pacific lupine (*Lupinus lepidus*) on the lake bed.

#### Hidden Lake (Bruce Newhouse)

**Cooler plants:** Roundleaf sundew (*Drosera rotundifolia*) and three-way sedge (*Dulichium arundinaceum*).

**Cooler non-plants:** Chalk-fronted corporal (dragonfly).

**Other highlights:** Tall, old-growth Douglas-fir.

#### HJ Andrews Experimental Forest

(Mark Schulze)

**Cooler plants:** ghost pipe orchid (aka phantom orchid) (*Cephalanthera austini*).

**Other highlights:** The old growth trail with a healthy and lush forest floor.

#### Park Creek (Tanya Harvey)

**Cooler plants:** Suksdorf's paintbrush (*Castilleja suksdorfii*), meadow alumroot (*Heuchera chlorantha*), English wintergreen (*Pyrola minor*).

**Cooler non-plants:** Lots of dragonflies, including one eating a damselfly, and a sulphur that wasn't an orange sulphur (western sulphur?).

**Other highlights:** Eating ripe honeysuckle (*Lonicera cauriana*) fruits.

More on Tanya's blog: [westerncascades.com/2016/07/19/field-trip-highlights-from-npso-annual-meeting/](http://westerncascades.com/2016/07/19/field-trip-highlights-from-npso-annual-meeting/)

Friday trips not reporting: Carpenter Mt. Lichens.

### SATURDAY

#### Blue Pool / Tamolitch "Falls" (Steven Yeager)

**Cooler plants:** Leafless wintergreen (*Pyrola aphylla*), American parsley fern (*Cryptogramma acrostichoides*).

**Cooler non-plants:** Blue pool and a slime mold.

**Other highlights:** The brief moments with no hikers, dogs, mountain bikes on the trail.



DON JACOBSON

Lupinus arbutus

### Browder Ridge (Alice Smith)

**Cooler plants:** Creamy stonecrop (*Sedum oregonense*), harsh paintbrush (*Castilleja hispida*), huge noble firs (*Abies procera*).

**Cooler non-plants:** Fir-engraver beetle engravings, baby grouse, prescribed burning of meadows.

**Other highlights:** Diversity of habitats.

### Canyon Creek Meadows (Bruce Newhouse)

**Cooler plants:** Lip fern (*Cheilanthes gracillima*), Lewis' monkeyflower (*Erythranthe lewisii*).

**Cooler non-plants:** Butterflies abounding; Three-Fingered Jack.

**Other highlights:** Old B & B burn; views of Mt. Jefferson; a single twin-berry (*Lonicera involucrata*) growing on a northerly slope with other shrubs in the B & B burn area.

### Coffin Mountain Pollinators (August Jackson)

**Cooler plants:** Cascade lily (*Lilium washingtonianum*), woodland beard-tongue (*Nothochelone nemorosa*), scarlet gilia (*Ipomopsis aggregata*), Gorman's aster (*Eucephalus gormanii*).

**Cooler non-plants:** Wasp-mimic fly (*Chrysotoxum* sp.), hemileuca moth, leafcutter bee, tons of checkerspot, red beetle on fern.

**Other highlights:** View incredible; amazing floral changes through the

hike.

### Fern Foray (Ed Alverson)

**Cooler plants:** Rattlesnake-fern (*Botrypus virginianus*) and Sierra wood fern (*Thelypteris nevadensis*) in the forest behind the McKenzie Ranger Station maintenance yard. In all, 17 species of ferns were seen at the day's four stops!

**Cooler non-plants:** Swainson's thrush singing in the canopy of the old growth forest along the Delta Nature Trail, the sound of summer in the Pacific Northwest!

**Other highlights:** Circus performers walking a slack line over the plunge pool above Sahalie Falls.

### Frissell Butterflies (Neil Björklund)

**Cooler plants:** Mountain owl clover (*Orthocarpus imbricatus*).

**Cooler non-plants:** Summer form of western white (butterfly).

**Other highlights:** 27 species of butterflies!

### Hidden Lake Bryophytes (Dave Wagner)

**Cooler plants:** Western ladies' tresses (*Spiranthes porrifolia*), roundleaf sundew (*Drosera rotundifolia*), *Sphagnum squarrosum*, and a hornwort.

**Cooler non-plants:** Chorus frogs and tadpoles.

**Other highlights:** Lunch in the sun.

### Horsepasture Mountain (Jenny Lippert)

**Cooler plants:** Blue gilia (*Gilia capitata*), skyrocket gilia (*Ipomopsis aggregata*).

**Cooler non-plants/other:** The view of the Three Sisters, especially over the basalt rock outcrop with cliff paintbrush (*Castilleja rupicola*) on it!

### Iron Mountain (Bob Ross)

**Cooler plants:** Ivesia (*Ivesia gordonii*) on the ridge north; western stentham (*Anticlea occidentalis*).

**Cooler non-plants:** Holes excavated by mountain beaver.

**Other highlights:** Fantastic views!

### Lowder Mountain (Tanya Harvey)

**Cooler plants:** Acres of pussypaws

(*Calyptidium umbellatum*) and sub-alpine cat's ear lily; Cascade mariposa lily (*Calochortus subalpinus*).

**Cooler non-plants:** large bolete (mushroom); also dead tree with bark freshly peeled off on one side, still in one piece lying on the ground — how did that happen?

**Other highlights:** Gorgeous skyrocket gilia (*Ipomopsis aggregata*) and, of course, the great views!

More at: [westerncascades.com/2016/07/19/field-trip-highlights-from-npso-annual-meeting/](http://westerncascades.com/2016/07/19/field-trip-highlights-from-npso-annual-meeting/)

### Olallie Mountain (John Koenig)

**Cooler plants:** An albino western corallorhiza (*Corallorhiza mertensiana*), cascade lily (*Lilium washingtonianum*) and 900-year old-growth Douglas-fir.

**Cooler non-plants:** A western toad and a Cascades frog.

**Other highlights:** Panoramic views of the Cascade Range from Hood to Thielson.

### Scott Mountain (Gail Baker, Clay Gautier)

**Cooler plants:** Magenta paintbrush (*Castilleja parviflora* var. *oreopola*), huge population of subalpine cat's ear lily (*Calochortus subalpinus*), lupines, non-photosynthetic plants.

**Cooler non-plants/Other highlights:** Congenial company viewing all the Cascade peaks!

### Tidbits Mountain (Marci Cutler)

**Cooler plants:** Really big, dense patch of western bunchberry (*Cornus unalaschensis*) surrounding trail in  
*continued on page 8*



MARNA PORATH

Alaska yellow cedar, *Callitropsis nootkatensis*, on Echo Basin trail. Trip leader Alice Smith said these trees could be 2,000 years old!

Annual Meeting, *cont'd*

sunny area; explorer's gentian (*Gentiana calycosa*) in bud in the open near the top.

**Coollest non-plant:** Sitting on scree in sunshine looking at the beautiful views.

**Other highlights:** Green shaded forest with giant trees & great variety of understory plants.

Saturday trips not reporting: Indian Ridge Lichens, Quaking Aspen Swamp.

## SUNDAY

**Echo Basin** (Bruce Newhouse)

**Coollest plants:** Perhaps the showy Lewis' monkeyflower (*Erythranthe lewisii*) or the giant Alaska yellow-cedars (*Callitropsis nootkatensis*).

**Coollest non-plants:** The Lazuli buntings were putting on nice singing displays for those with binoculars.

**Other highlights:** Just a fine, fine way to spend a morning!

**Lookout Creek Old Growth Trail** (Aryana Ferguson, Bart Johnson)

**Coollest plants:** Huckleberries (*Vaccinium* spp.) with different berries (blue and red and yum!) and the maidenhair fern (*Adiantum aleuticum*).

**Coollest non-plants:** Downed wood everywhere in all stages in all habitats including the stream (a few still standing dead trees right in the middle of the stream).

**Other highlights:** Silence and cool, clear, fresh air of the old growth forest!



KAREEN STURGEON

Fish Lake surrounding forest — Campanula scouleri, Scouler's bluebell



CHARLENE SIMPSON

Emerald Chapter founder David Wagner identifying mosses

**Parish Bog** (Tanya Harvey)

**Coollest plants:** Fresh gnome plant (*Hemitomes congestum*) and tons of both sundews (*Drosera rotundifolia*, *D. anglica*, and hybrids).

**Coollest non-plants:** Flock of cedar waxwings catching insects above us, also three swifts, and lots of rough-skinned newts.

**Other highlights:** Flowers on Robbins' pondweed (*Potamogeton robbinsii*); otter latrines.

**Lowlight:** Lots of toilet paper left by the trail where people camped.

More at: [westerncascades.com/2016/07/19/field-trip-highlights-from-npso-annual-meeting/](http://westerncascades.com/2016/07/19/field-trip-highlights-from-npso-annual-meeting/)

**Proxy Falls** (Bitty Roy / Michael Wherley)

**Coollest plants:** Gnome plant (*Hemitomes congestum*), but we saw a lot of other cool mycoheterotrophs including both *Monotropa* species.

**Non-plant highlights:** The lower falls, though the upper falls was nice and the rock gardens were lovely too.

**Other highlights:** We added six species to the plant list. A GREAT trip, and perfect for the half day time slot.

**Wildflower Photography** (August Jackson)

**Coollest plants:** A nice patch of farewell-to-spring (*Clarkia amoena*) was a big hit, as was the Elk Clover (*Aralia californica*). A spot on the

McKenzie River had several saxifrage species, which were a fun challenge to photograph.

**Other highlights:** Attendees had a wide variety of cameras, so we focused largely on how to get the most out of what you have, and discussed the benefits of phone cameras. The usefulness of flash photography for providing more control over the exposure was discussed.

Sunday trips not reporting: Aufderheide Dr., Indian Ridge.



DON JACOBSON

Phlox gracilis

To see more of Don Jacobson's 2016 Annual Meeting flora photos, visit these links: [donjacobsonphoto.com/LowderMtn/LowderMtn.html](http://donjacobsonphoto.com/LowderMtn/LowderMtn.html) [donjacobsonphoto.com/EchoBasin/EchoBasin.html](http://donjacobsonphoto.com/EchoBasin/EchoBasin.html) [donjacobsonphoto.com/IndianRidge/IndianRidge.html](http://donjacobsonphoto.com/IndianRidge/IndianRidge.html)

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

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☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

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Send completed form and full remittance to:

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DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
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**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

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TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

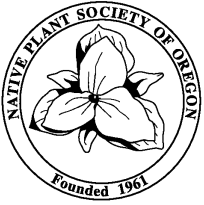
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CORVALLIS..... Judi Sanders ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
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FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Amy Rosendahl..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
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WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



Send change of address notices  
and membership requests to:

Native Plant Society of Oregon  
Matt Morales, Membership Chair  
P.O. Box 80714  
Portland, OR 97280

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## Friends of the Oregon Flora Project

Those who attended the Annual Meeting heard the exciting presentation launching our campaign to sponsor the completion of the *Flora of Oregon*. Volume 1 was published in 2015, and the two volumes presenting the dicots of Oregon are in the works. We are seeking your support for the publication of the remaining volumes. As with Volume 1, the Oregon Flora Project is responsible for the expenses of writing, editing, illustrating, designing, and printing of the books. Our portion of the royalties from sales of the books in no way covers the expense of their production; hence, our need for funds beyond our normal OFP operating expenses.

Each NPSO chapter president is receiving information about the opportunities for sponsoring the preparation of floristic treatments (\$135/species), illustrations (\$250), and front chapters (\$400). We hope that chapters will accept the challenge of “adopting” sections of each *Flora* volume to sponsor, and both collectively and individually support this significant contribution to science.

Look for more information about the *Flora of Oregon* campaign in your chapter meetings, in future *Bulletin* articles, and on the OFP website at <http://oregonflora.org/flora.php>.

Send your sponsorship choices and contribution to: Oregon Flora Project, Dept. Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902. Please make checks payable to the Agricultural Research Foundation, attn.: OFP.





# Bulletin

of the

## Native Plant Society of Oregon

Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats

VOLUME 49, NO. 9

NOVEMBER 2016

### Let's Complete the *Flora of Oregon*!

by Gail Baker and Linda Hardison, Oregon Flora Project Advisory Council

#### Flora of Oregon

Volume 2: Dicotyledons  
Adoxaceae–Fagaceae



Stephen C. Meyers,  
Thos Jaster,  
Katie E. Mitchell,  
& Linda K. Hardison, eds.

Flora of Oregon Volume 2: Dicotyledons  
Adoxaceae–Fagaceae

OREGON FLORA PROJECT

The Oregon Flora Project (OFP) team is working to meet its revised publication goals for the completion of the *Flora of Oregon: Volume 2* in Summer 2018 and Volume 3 in early 2020. We launched a campaign at the 2016 NPSO Annual Meeting to accomplish this by offering sponsorship opportunities for elements of each volume. We're asking for your assistance to elevate this opportunity for NPSO—and others—to help complete the *Flora of Oregon*.

There's something different about this campaign, however. While we always welcome and appreciate contributions from our loyal NPSO supporters, *outreach* is our focus for this effort. We believe that the objectives of the Native Plant Society are worth sharing

with others. As part of its mission to promote the study of Oregon's native plants and habitats, NPSO is supporting the creation of the new *Flora of Oregon*. With this campaign, we are encouraging all members and chapters to find a person or business that is impacted by the plants of our state, and share with them why they, too should be supporting the *Flora of Oregon*!

Here's a challenge we're asking you to take: try and identify how plants relate to each person, business, and activity you encounter. Found that connection? Now share it with that person or business, and ask them to help support the completion of the *Flora*, which will in turn raise their understanding of how they are tied to plants.

When you use this lens to view your interactions, it's easy to see the

*continued on page 7*

### IT'S RENEWAL TIME!

The NPSO membership year is January to December. Now is the time for members to renew for 2017. To find out whether you need to renew, please look at your address label on this issue of the *Bulletin*. If 2016 appears along the top edge of the label, you need to renew before February 15, 2017 to ensure that you do not miss out on any of the *Bulletins*. If the year is absent (i.e. top of label is blank) or if you see 2017, 2018, or a later year, ignore this notice — you do NOT need to renew at this time.

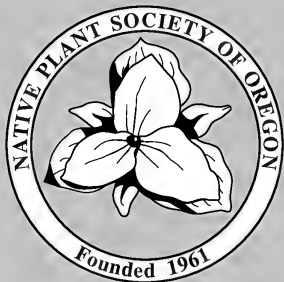
Please use the remittance envelope in this issue of the *Bulletin* to send in your dues, or use the membership

form on the inside back page if the envelope is missing. Alternatively, you can renew online at [npsoregon.org/online.html](http://npsoregon.org/online.html).

It's also a great time to consider a tax-deductible contribution to our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Augusta Rockafellar and Jean Davis Memorial Scholarships are awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

P.O. Box 902  
Eugene, OR 97440

or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## 2017 Annual Meeting: June 9–11

### Save the Date!

NPSO's 2017 Annual Meeting, jointly hosted by the Corvallis and Umpqua Valley Chapters, will be Friday–Sunday, June 9–11 in Roseburg, with the meeting location at Phoenix School. We expect to have field trips throughout the Land of Umpqua on Friday, Saturday, and Sunday including some trips that feature flora uniquely endemic to the area. One difference for this annual meeting is that there will be no official lodging site; we will have a list of local hotels, motels, and campsites where you may arrange lodging. Look for more details in the February *Bulletin*.



## Take Your Best Shot!

And submit it to the 2017 Native Plant Appreciation Week Poster Photo Contest. We want to have the best poster ever, so we need your excellent photos of Oregon's native flora. You can find complete contest rules at: [npsoregon.org/photocontest.html](http://npsoregon.org/photocontest.html). Photos must be submitted by December 15, 2016. You submit photos in the NPSO Photo Gallery at: [npsoregon.org/photos/v/2017NPAW](http://npsoregon.org/photos/v/2017NPAW). Don't delay; upload your photos now.



More photos from the 2016 Annual Meeting can be found throughout this issue. Thank you to everyone who shared their images!



CHARLENE SIMPSON

*Dave Kretzing, Friday Evening Speaker*



CHARLENE SIMPSON

*Jenny Lippert, Annual Meeting 2016 Chair*

# NPSO CALENDAR

## State Notes

### NPSO Annual Meeting 2017

**June 9-11 2017, Friday-Sunday**

Corvallis and Umpqua Valley Chapters will jointly host the 2017 NPSO Annual Meeting in Roseburg, with the meeting location at Phoenix School. Look for more information in the February *Bulletin*.

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).*

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOoregon.org](mailto:ch_president@NPSOoregon.org).*

### Meeting and work party location:

Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. Parking lot entrances on Adams and Second Streets. Meetings start at 7 pm. Doors open at 6:45 pm. for socializing.

**November 26, Saturday, 10-noon**

### Work Party: Native Plant Garden.

Join NPSO volunteers tending the native plant garden at McMinnville Public Library. Dress for the weather and bring gloves, bucket, and gardening tools if possible. No experience is necessary; you will learn about the plants in the garden. For more information, contact Catie Anderson at [catie.fishback@gmail.com](mailto:catie.fishback@gmail.com) or 503-435-2401.

**December 1, Thursday, 7 pm**

### Program: Wildflowers of Northern Arizona.

Join Corvallis NPSO members Dan Luoma and Joyce Eberhart as they recreate exploring the spectacular wildflowers and landscapes of northern Arizona. They traveled from 5,000 feet near Boynton Canyon and Secret

Mountain to the highest reaches of the San Francisco Peaks, as well as Walnut Canyon National Monument and the Grand Canyon. Expect to enjoy the tremendous variety of blooms they encountered in the warmth of sunny Arizona.

**December 17, Saturday, 10 am-noon**

### Work Party: Native Plant Garden.

Join NPSO volunteers tending the

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

native plant garden at McMinnville Public Library. Bring gloves, bucket, and gardening tools if possible. No experience is necessary; the garden is a great place to get to know other NPSO members. For more information, contact Catie Anderson at [catie.fishback@gmail.com](mailto:catie.fishback@gmail.com) or 503-435-2401.

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOoregon.org](mailto:co_president@NPSOoregon.org).*

**November 5, Saturday, 8 am-3 or 4 pm**

**Field Trip: Fungi Collection.** Wear weather appropriate clothing and bring a lunch and water. Bring a small trowel and bags to hold the fungi. Location: meet at the OSU Wilkinson Hall parking lot on the SW corner of 26th and Monroe, across from the Monroe Beanery. For more information contact Dan Luoma at [luomad@fsl.orst.edu](mailto:luomad@fsl.orst.edu) or 541-752-8860.

**November 14, Monday, 7:30 pm**

### Program: Wildflowers of the Death Valley Superbloom.

Steve Carpenter will present a slideshow of the amazing wildflowers encountered in the March 2016 "superbloom" at Death Valley National Park, Ash Valley National Wildlife Refuge and the Mojave National Preserve. Photos and resources for identification will be presented. Steve earned a Ph.D. in the New York Botanical Garden-CUNY Fellowship program. He teaches local mushroom and wildflower identification classes and yearly workshops at the Yachats Mushroom Festival. He is author of *Mushrooms of Marys Peak*, *Wildflowers of Marys Peak Meadows* and *Wildflowers of Bald Hill Meadows*. Location: Avery House in Avery Park. For information email [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com), or call Louise at 541-753-0012.

**November 20, Sunday, noon-4 pm**

### Work Party: Native Plant Garden.

We will be cleaning up the garden

and collecting divisions for the spring garden sale. Come prepared for wet weather. Location: Avery House in Avery Park. If interested please contact Esther at 541-754-0893 or [estherco@peak.org](mailto:estherco@peak.org).

**December 12, Monday, 6:30 pm**

**Program: Winter Celebration and Slide Show.** Bring a snack to share as we socialize. Bring 15 slides to show and plan to limit sharing to ten minutes. Location: home of Loren Russell, 3420 SW Willamette Ave., Corvallis. For information call 541-753-0012 or 541-752-7558 or email [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

## Emerald

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.

**New Meeting Location:** The Stellaria Building, 150 Shelton-McMurphey Boulevard, Suite 104, Eugene. Head east on West 3rd Avenue until it turns into Shelton-McMurphey Boulevard. Stellaria is inside Hummingbird Wholesale.

**November 17, Thursday, 7 pm**

**Program: Rimrock, Playas, Petroglyphs and Pronghorns — a Botanical Survey of the Playa Lakes of Hart Mountain and Sheldon Wildlife Refuges.**

Dr. Dennis Albert of OSU will focus on botanical surveys of playa lakes conducted during the spring and summer of 2012 and 2016. The playa lakes at these two refuges represent two different types, one associated with basin and range block faults and the other occurring on the upper surface of the Steens surfaces by mid-summer. Location: The Stellaria Building, 150 Shelton-McMurphey Blvd., in Eugene just south of Skinner Butte. See above for details.

**December 15, Thursday, 7 pm**

**Event: Holiday Social and Picture Show.** Bring 10 to 12 digital photos and a snack to share if you wish. Come and socialize with others who share your interest in native plants. Location:

The Stellaria Building, 150 Shelton-McMurphey Blvd., in Eugene just south of Skinner Butte. See above for details.

## Filipendula

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colectarla@yahoo.com](mailto:colectarla@yahoo.com).*

## High Desert

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

## Klamath Basin

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## Mid-Columbia

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

**November 17, Thursday, 7 pm**

**Program: Landscapes, Flora & Fauna of South Africa.** Join Susan Saul and Paul Slichter for an overview of the late summer landscapes, flora and fauna of South Africa. We'll visit the unique fynbos habitats and several public gardens (including Kirstenbosch and Harold Porter Botanical Gardens and Table Mountain and West Coast National Parks) of the South Cape and journey north to see the savannah habitats of the Vredefort Dome and Pilanesberg National Park. Location: Columbia Gorge Community College, Building 1 Room 1.362, 400 Scenic Drive, The Dalles.

**December 15, Thursday, 6 pm**

**Event: Holiday Social, Potluck, and Picture Show.** Bring a dish to share and pictures of your year's botanical adventures and finds. Please note the earlier starting time and different location: The Dalles Art Center, 220 E 4th Street at

the corner of 4th and Washington Sts, downtown. For more information contact Carolyn at 541- 506-5001.

## Portland

*If you would like to receive the chapter's semi-official email newsletter, The Calochortus, email Don Jacobson at [donjphoto@gmail.com](mailto:donjphoto@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7:00 pm. **MEETING PLACE: Copeland Commons, TaborSpace at Mt. Tabor Presbyterian Church**, 5441 SE Belmont St., Portland. Enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**November 10, Thursday, 7 pm**

**Program: Metro Native Plant Center— Connecting Community and Partners with Seed Conservation and Restoration.** The Metro Native Plant Center's mission is to collect, amplify, and bank herbaceous seed that is commercially unavailable, rare, threatened, uncommon or of importance to Metro restoration projects. Oak woodland, wetlands, and upland prairies are the NPC's focal habitats and will be featured in this presentation by Marsha Holt-Kingsley, Metro native plant materials scientist. Location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church, see above for details. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

**December 8, Thursday, 7 pm**

**Program: Holiday Meeting.** Bring your electronic images of native flora on a thumb drive, as well as some goodies to share. It is our annual celebration — everyone welcome! Location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church, see above for details. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net)

comcast.net or 503-288-4340.

### January 12, Thursday, 7 pm

**Program: How Soils Influence Our Native Plants.** James Cassidy, OSU soil scientist, discusses the connection between native plants of the Columbia Gorge and the soil they grow in. Location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church, see above for details. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

## Siskiyou

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2016, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: [jspelletich@gmail.com](mailto:jspelletich@gmail.com). Join us on Facebook at: [facebook.com/SiskiyouChapterNativePlantSocietyOfOregon](https://www.facebook.com/SiskiyouChapterNativePlantSocietyOfOregon).*

### November 17, Thursday, 7 pm

**Program: Lichens of the Pacific Northwest and Northern California.**

Guest speaker Steve Sheehy will share his photos and knowledge of lichens. Steve has been conducting an inventory of lichens at Lava Beds National Monument since 2012. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

### December 8, Thursday, 6 pm

**Program: Holiday Potluck, Silent Auction, Citizen Science in the Rogue Watershed.**

Steve Niemela, conservation strategy implementation biologist at the Oregon Department of Fish and Wildlife, will discuss the newly revised Oregon Conservation Strategy and opportunities for NPSO members to get involved. The Oregon Conservation Strategy is the state's plan for using proactive voluntary actions to conserve at-risk species and habitats. More information can be found at: [oregonconservationstrategy.org](http://oregonconservationstrategy.org). This is

our annual holiday season potluck with lots of goodies and surprises. Feasting begins at 6:30, program at 7 pm. Location: Talent Community Center, 206 E. Main, Talent. Please bring a potluck dish, table service (plate, silverware, glass, cup), food donation for the Talent Food Project, and packets of seeds to contribute to the native plant seed exchange. Free and open to the public. If you have questions contact Dave at 541-535-5355.

## South Coast

*This is a newly formed chapter. For more information, contact the chapter president, Alexis Brickner, [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org).*

## Umpqua Valley

*Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](https://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

### November 3, Thursday, 6-7 pm

**Program: Native Plants, Native Peoples — The Seasonal Rounds of the Kalapuya.** Before exploration and

settlement by Europeans, the valley was home to an estimated 20-25,000 Kalapuyans. Anthropologist and tribal historian Dr. David Lewis will discuss Kalapuyan seasonal movements within the valley and their use of land management practices such as fire to provide habitat for staple plants and game. Dr. Lewis is a recognized leader among Oregon Tribes and an organizer, coordinator, and administrator of numerous tribally-related projects. Location: the Straub Environmental Center's new location, first floor of the Wool Warehouse at the Willamette Heritage Center, 1313 Mill Street SE, Salem. Co-sponsored by the Straub Environmental Center, David Douglas Society, and Willamette Chapter of Native Plant Society. Free and open to members and supporters of these organizations. For more information, email [Info@StraubEnvironmentalCenter.org](mailto:Info@StraubEnvironmentalCenter.org) or call Catherine Alexander at 503-302-4645.

## William Cusick

*Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.*



Bruce Newhouse, Field Trip Chair



Mark Egger, Saturday Keynote Speaker



# Grant Proposals Requested

NPSO will continue to sponsor small field research grants. The objectives of the program are:

1. To stimulate basic field research into the biology and distribution of Oregon's native and naturalized flora and vegetation, particularly in the more remote areas of the state.
2. To promote native plant conservation through better understanding of Oregon's flora and vegetation and the factors affecting their survival.

Research proposals are due annually by March 1. The guidelines are available online at: [npsoregon.org/grants.html](http://npsoregon.org/grants.html). For a paper copy of the program policy and guidelines, contact:

Dan Luoma, Field Research Grants Committee Chair  
5 NW Edgewood Dr.  
Corvallis, OR 97330  
541-752-8860

## Is the e-Bulletin for You?

We are pleased to offer the option to receive the *Bulletin* in electronic form. An email would be sent to you with the *Bulletin* attached as a PDF file and a link from which you can access the file on the Web. This e-Bulletin would replace the paper copy you receive every month in your mailbox. If you would like to receive the e-Bulletin rather than the paper copy, please note this with your membership renewal or email membership@NPSOregon.org from the email address at which you want to receive it. Also, include your name as it appears on the mailing label of your paper copy.



KAREEN STURGEON

*Friday afternoon to Fish Lake — the lake fills up in winter but, because it's underlain by porous volcanic rocks, it drains completely in summer, forming a meadow dominated by sedges.*



CHARLENE SIMPSON

*Field trip participants get last minute instructions from Chair Bruce Newhouse*



KAREEN STURGEON

*Saturday hike to the Blue Pool, where the McKenzie River emerges aboveground from beneath lava fields upstream.*



MICHAEL WHERLEY

*Mt. Jefferson from Coffin Mt.*



connections and the enrichment NPSO and its projects (like supporting the OFP) can offer. Here are some connections we've identified and are inviting to become *Flora of Oregon* supporters:

- The corner business whose name is also a plant name (bonus points if it's the scientific name!)
- The local trail-running and mountain bike clubs—because who wants to just run/ride in the concrete jungle?
- Book group, crafting circle, or birding group members that share an enjoyment of gardening or the beauty of natural spaces

Include participants in activities that rely on intact ecosystems or plant diversity, such as fishing, native plant gardening, or birding, and you can quickly make a list of friends and organizations whose interests depend on Oregon plants and their habitats! We're hoping you will ask these folks to support something meaningful to both you and them by sponsoring a section of the *Flora*.

We present three opportunities to support this campaign: individuals or groups can sponsor a *species* (a floristic treatment of any species, subspecies, or variety) with a contribution of \$135/taxon, an *illustration* (plant habit with 1–3 details) for \$250, or a *chapter topic*

(native plant gardening, plant–insect interactions, climate change, ethnobotany) for \$400. Sponsors will be recognized by having their names published on an acknowledgment page in the front of the respective volume. This is an excellent way to honor a loved one, mentor, or friend!

We calculate it will cost ~\$325,000 to produce Volume 2, and ~\$304,000 for Volume 3. This covers the salaries of our OFP taxonomic director and artist, along with partial support for the other staff members; book design and layout; contractual work for floristic treatments, chapter authorship, and illustrations by non-staff; and printing expenses from BRIT Press. At 608 pages, Volume 1 of the *Flora of Oregon* cost \$45,565 to print. Volumes 2 and 3 each cover 20–30% more taxa, so printing costs will be higher.

Consider also that these costs don't take into account the 22 years of data gathering, management, and synthesis done by the OFP team. Additionally, all of the salaries, employer benefits, and direct costs of our program come exclusively from grants and charitable donations.

Why does Oregon need a new *Flora*? Because the most recent synopsis of botanical knowledge is 55 years old! The information that a new flora will provide has impact in many critical decision-making arenas. Knowing the plants of an area and the context in

## Flora of Oregon

Volume 3: Dicotyledons  
Garryaceae–Zygophyllaceae



Stephen C. Meyers,  
Thao Jaster,  
Katie E. Mitchell,  
& Linda K. Hardison, eds.

Flora of Oregon Volume 3: Dicotyledons  
Garryaceae–Zygophyllaceae

OREGON FLORA PROJECT

which they occur is essential for work in ecological restoration, rare plant conservation, invasive species control, and general land management. Using the *Flora of Oregon* to learn more about the plants and their affiliated people and places also enriches our appreciation and enjoyment of this state's natural resources.

NPSO is a champion for Oregon's native plants and their habitats, and recognizes the need for an up-to-date reference to inform their activities. With this campaign's reminder of how plants touch every person's life, we are asking you to leverage your connection with the expertise of the OFP and NPSO to bring in new supporters for the completion of the *Flora of Oregon*!

**What you can do:** We are challenging each NPSO chapter to reach out to all folks with a connection to plants and secure **\$1,000** in sponsorship by the end of January 2017. Your chapter can use their sponsorship of an illustration or book chapter as an example to other organizations and an invitation to learn more about the great work being done by NPSO. Check for details on the back page of this *Bulletin*. We're looking forward to hearing about the connections you discover, and the new supporters that will help us bring Volumes 2 and 3 of the *Flora of Oregon* to completion!



CHARLENE SIMPSON

Annual meeting guests enjoying evening programs

# The Nature of Bend

LeeAnn Kreigh. 2016 . ISBN 978-0-9975215-0-4. Tempo Press, Bend, Oregon. paper. \$20. Available from [natureofbend.com](http://natureofbend.com)

Review by Cindy Roché, *High Desert Chapter*

For more NPSO book reviews, visit [npsoregon.org/bookreviews.html](http://npsoregon.org/bookreviews.html).

Touted as the “Insiders Guide to Central Oregon Plants & Animals,” *The Nature of Bend* is a new natural history field guide for central Oregon. The author is an outdoor enthusiast who landed in Bend several years ago and her “wonder at the sheer beauty of this place” inspired her to write a field guide to help other outdoor recreationists appreciate the natural world. As a recent immigrant to Bend myself and having seen that Bendites consider the outside as one big fitness arena, I agree this is a worthy project. I am impressed that her credentials for doing this are that she is a writer and apparently exceptionally good at cajoling those in the know to share their information and photos. She is neither a botanist nor a wildlife biologist, not even a photographer, but she has compiled a fine natural history field guide. I must add that her other qualifications include boundless curiosity and a delightful

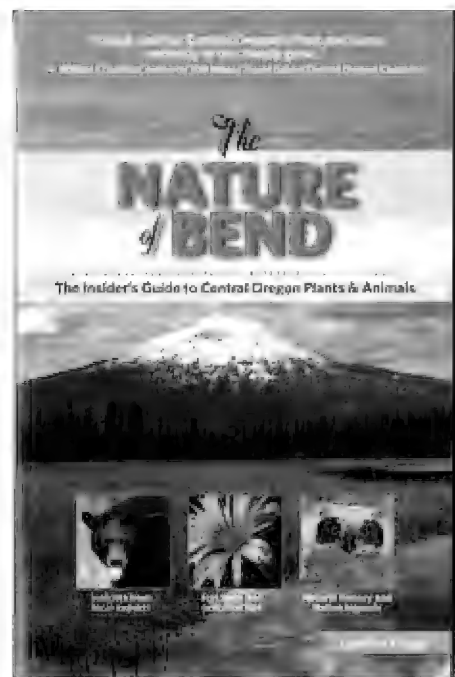
sense of humor.

Starting with plants, the author works her way through common birds, amphibians, insects, mammals, and reptiles, in that order. Would a botanist want this book? I think yes; almost half of the 260 pages of photos and descriptions feature plants. She organized them in six categories: trees, shrubs, bunchgrasses, noxious weeds, wildflowers, and a short chapter of “what the heck is that?” She consulted NPSO members Ron Halvorson, Charmane Powers, Susan Berger, Paul Slichter, Stu Garrett, and M.A. Willson, who also provided photos of the taxa they recommended for the book.

Following the wildlife section, the author includes a chapter on scavenger hunts for twelve locations within an hour’s drive of Bend. She lists categories of plants and animals that are easy, medium or hard to find at each location.

Within the book are sidebars: Fun Facts, How to Help, Did You Know? For example, she shares Frank Spiecker’s top-ten best smelling shrubs. At the back of the book is a list of local nonprofits, a bibliography, and an index.

I have only two complaints about the book. First, the captions under the photos are so small and in light gray, blue, or red ink that I nearly needed my hand lens to read them. Second, the six-page index in the back of the book lacks names for general entries, such as squirrel, lily or marmot. If you want to look up squirrels or marmots,



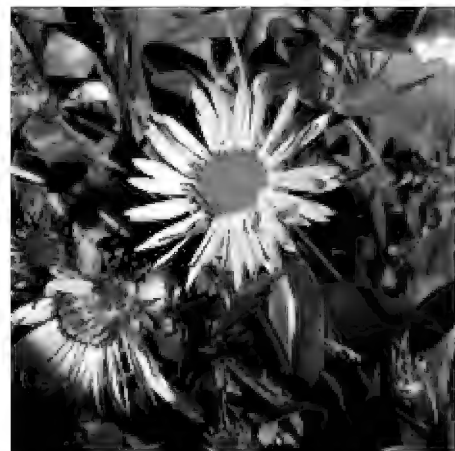
TEMPO PRESS

for example, you have to already know the names Douglas squirrel or yellow-bellied marmot. The same is mostly true for plants and birds as well. You cannot find sagebrush or sparrow under “s.” But for those who prefer to flip through the pages or just browse the book, this won’t matter.

Who would be interested in this book? Anyone who lives near or visits central Oregon who enjoys natural history or the outdoors, especially those who want to teach their children or grandchildren wonders of the natural world.

## Wanted: EarthShare Oregon Liaison

EarthShare Oregon (ESOR) is a workplace fundraising entity for environmental organizations. NPSO is a member group and as such we receive funding through ESOR. We are looking for an NPSO volunteer to be our liaison to ESOR. The main tasks are to coordinate the annual affiliation agreement in the spring, recruit promotional items and volunteers to staff ESOR events such as workplace presentations, and make occasional ESOR webpage updates, which includes letting ESOR members know of NPSO volunteer opportunities or events. This is a key position as we rely on these funds to support NPSO field research grants, Institute for Applied Ecology interns, Oregon Flora Project, and mailing out the *Bulletin*. If you are interested, please contact Lisa Blackburn at [president@npsoregon.org](mailto:president@npsoregon.org).



MARNA PORATH

*Erigeron aliceae*, Eastwood’s daisy or Alice’s fleabane, in Echo Basin.

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_  
Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip+4 \_\_\_\_\_

☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

### STATE OFFICERS

DIRECTORS..... Mary Beth Averill, Susan Berger, Billy Don Robinson (to 6/2017); Thea Cook Jaster, Michael McKeag, Zak Weinstein (to 6/2018)  
PRESIDENT ..... Lisa Blackburn ..... [president@NPSOregon.org](mailto:president@NPSOregon.org), 503-538-3976  
IMMEDIATE PAST PRESIDENT..... Kelli Van Norman..... [past\\_president@NPSOregon.org](mailto:past_president@NPSOregon.org)  
VICE PRESIDENT ..... Dan Luoma ..... [vice-president@NPSOregon.org](mailto:vice-president@NPSOregon.org); 541-752-8860  
SECRETARY..... Steven Yeager..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org); 541-521-3964  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

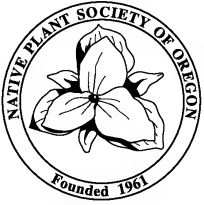
CHEAHMILL ..... Lisa Blackburn ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-538-3976  
CORVALLIS..... Judi Sanders ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Amy Rosendahl..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN ..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND ..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
WEBMASTER ..... Sunia Yang ..... [webmaster@NPSOregon.org](mailto:webmaster@NPSOregon.org)



Send change of address notices  
and membership requests to:

Native Plant Society of Oregon  
Matt Morales, Membership Chair  
P.O. Box 80714  
Portland, OR 97280

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www.oregonflora.org

## Friends of the Oregon Flora Project

Let's complete the *Flora of Oregon*!

Here's how you can be a part of this important work:

- **Sponsor a species:** Floristic treatments with identification key, description, maps, and discussion for each taxon (species, subspecies or varieties). **\$135/taxon**
- **Sponsor an illustration:** Original artwork depicting plant habit and 1–3 details. **\$250/illustration**
- **Sponsor a chapter:** Topics: native plant gardening, plant/insect interactions, climate change, ethnobotany. **\$400/chapter topic**

In addition to a certificate of appreciation, your support will be acknowledged with the publication of your name (and those whom you honor with a sponsorship) in the front pages of the corresponding volume. Multiple people can sponsor the same species, illustration, or chapter—we welcome all support for this significant effort!

Send your sponsorship choices and contribution to: Oregon Flora Project, Dept. Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902. Please make checks payable to the Agricultural Research Foundation, attn.: OFP.



# Bulletin

of the

## Native Plant Society of Oregon

*Dedicated to the enjoyment, conservation and study of Oregon's native plants and habitats*

VOLUME 49, No. 10

DECEMBER 2016/JANUARY 2017

### NPSO President's Message

by Lisa Blackburn

It is that time of year to renew your annual NPSO membership. Thank you for being a dues-paying member and understanding that your funds contribute to NPSO's mission of enjoying, conserving and studying Oregon's native plants and habitats. It is now even easier to join or renew your membership with our online payment system.

A recent email from the Native Plant Conservation Campaign emphasizes why our mission is becoming increasingly challenging due to a condition called "plant blindness." This term was coined in 1989 by U.S. botanists to describe the inability to see or

notice the plants in one's own environment, which leads to the inability to recognize the importance of plants in the biosphere and in human affairs. A recent review published in *Conservation Biology* examined previous research to understand why a bias against plants exists. The researchers found this bias is widespread and seriously limits conservation efforts. Plant blindness can be challenged, researchers say, through activities and programs that encourage deeper appreciation of plants.

NPSO has many programs and activities to encourage an appreciation of plants, including Native Plant Appreciation Week, monthly Chapter presentations, field trips, grants and

donations, wildflower shows, native plant sales, maintenance of native plant gardens, and advocacy. It is the mission of each of us to be advocates for plants to our friends and in our communities, to help raise awareness and educate those around us to understand the importance of plants, including native plants, in our environment.

Thank you for your support of native plants. Advocate!



### IT'S STILL RENEWAL TIME

The NPSO membership year is January to December. Many of you have already renewed, but if you haven't yet, please do so before February 15, 2017 to ensure that you do not miss out on any of the *Bulletins*. Before you send in your renewal, it's a good idea to check the address label on this issue of the *Bulletin*. If it shows 2017 (or a later year) along the top, you are all set for the coming year and do not need to renew now.

You can renew online at:  
[npsoregon.org/online.html](http://npsoregon.org/online.html)

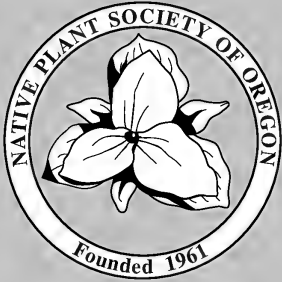
It's also a good time to consider a tax-deductible contribution to

our special funds. The Leighton Ho Memorial Award is used for research projects in western Oregon. The Rare and Endangered Plant Fund supports work with our most threatened plants. The Augusta Rockafellar and Jean Davis Memorial Scholarships are awarded annually to a botany student at an Oregon college or university. You can also include a contribution to the Oregon Flora Project along with your dues.

Your membership and donations make it possible to carry out more of the many projects that are needed to pursue the goals of NPSO.

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## Native Plant Society of Oregon

### World Wide Web

<http://www.NPSOregon.org>

### E-mail Discussion List

To join, send a message to [majordomo@tardigrade.net](mailto:majordomo@tardigrade.net), with the following in the body of the message: subscribe npsos

### General Business Address

P.O. Box 902  
Eugene, OR 97440  
or correspond directly with Officers and Committee Chairs listed on the inside of the back page.

### Membership Inquiries Only

Matt Morales  
P.O. Box 80714  
Portland, OR 97280

### Bulletin of the Native Plant Society of Oregon

Editor: Erika Wedenoja  
Layout Artist: Cat Mead

ISSN 0884-5999. Published 10 times per year. Subscription price specified in Membership Form printed on inside back cover page of this issue. Date and issue number on page 1.

The submission date is the 10th of each month for the following month's issue except for the Aug/Sept issue which is July 24 and the Dec/Jan issue which is November 24. Send submissions by e-mail to [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org).

Opinions expressed in this publication are those of the authors of the articles. They do not represent the opinions of the Native Plant Society of Oregon, unless so stated.

## October 2016 State Board Meeting Highlights

by Steven Yeager, State Secretary

The Board voted and approved to donate \$1,000 to the Oregon Flora Project. It was requested that chapters ask for submissions to the ODA Native Plant Conservation Program.

The newly formed Outreach Committee reported it has created a mission statement and set goals. The committee is working on outreach opportunities to increase membership and social networking, publicize online, and create a Google calendar for local and state chapters.

The online payment revision that allows our membership to combine payments for donations to separate funds along with their membership in a single PayPal purchase transaction is now complete.

The 2017 Annual Meeting will take place June 9 through June 11 at the Phoenix School in Roseburg. There will be no onsite lodging available. The Portland Chapter will host the 2018 Annual Meeting.

The Oregon Flora Project has sponsorship opportunities for the next two volumes. Sponsorship is available for plant taxa, front chapters, or illustrations. NPSO members are encouraged to spread the word about new flora and sponsorship opportunities beyond NPSO membership.

The Board approved to endorse the Botanical Sciences and Native Plant Materials Research, Restoration, and Promotion Act. This is a bill to improve Federal plant science and conservation programs.

The next State Board meeting will be held January 28, 2017 in Salem Oregon.



## NPSO Seeks Candidates

Please consider taking the opportunity to serve our Society by running for election to one of the state-wide officer or at-large board of directors positions. Interested persons and people with ideas for potential candidates may contact Dan Luoma by email ([daniel.luoma@oregonstate.edu](mailto:daniel.luoma@oregonstate.edu)) for more information.



## Wanted: EarthShare Oregon Liaison

EarthShare Oregon (ESOR) is a workplace fundraising entity for environmental organizations. NPSO is a member group and as such we receive funding through ESOR. We are looking for an NPSO volunteer to be our liaison to ESOR. The main tasks are to coordinate the annual affiliation agreement in the spring, recruit promotional items and volunteers to staff ESOR events such as workplace presentations, and make occasional ESOR webpage updates, which includes letting ESOR members know of NPSO volunteer opportunities or events. This is a key position as we rely on these funds to support NPSO field research grants, Institute for Applied Ecology interns, Oregon Flora Project, and mailing out the *Bulletin*. If you are interested, please contact Lisa Blackburn at [president@npsoregon.org](mailto:president@npsoregon.org).



# NPSO CALENDAR

## State Notes

### State Board Meeting

**January 28, Saturday, 10 am-2 pm**

The next State Board meeting will be hosted by the Willamette Valley Chapter in Salem. Location: Straub Environmental Center, 1313 Mill Street SE, Suite 107, Salem (in the Wool Warehouse at the Willamette Heritage Center).

### NPSO Annual Meeting 2017

**June 9-11 2017, Friday-Sunday**

Corvallis and Umpqua Valley Chapters will jointly host the 2017 NPSO Annual Meeting in Roseburg, with the meeting location at Phoenix School. Look for more information in the February *Bulletin*.

## Blue Mountain

*For information on Blue Mountain Chapter call Jerry Baker, 541-566-2244. To get on our email list, contact [flora.id@wtechlink.us](mailto:flora.id@wtechlink.us).*

## Cheahmill

*For questions, or to be added to the Cheahmill Chapter's email list for reminders of upcoming programs and events, please contact the Cheahmill Chapter President at [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org).*

### Meeting and work party location:

Carnegie Room, McMinnville Public Library, 225 NW Adams St. (corner of Highway 99W and SW Second St.), McMinnville. Parking lot entrances on Adams and Second Streets. Meetings start at 7 pm. Doors open at 6:45 pm. for socializing.

**December 17, Saturday, 10 am-noon**

### Work Party: Native Plant Garden.

Join NPSO volunteers tending the native plant garden at McMinnville Public Library. Dress for the weather and bring gloves, bucket and gardening tools if possible. For more information, contact Catie Anderson at [catie.fishback@gmail.com](mailto:catie.fishback@gmail.com)

[catie.fishback@gmail.com](mailto:catie.fishback@gmail.com) or 503-435-2401.

### December 17, Saturday

#### Dedication: Native Plant Garden.

NPSO garden crew members will place a memorial stone in the native plant garden at McMinnville Public Library to honor Susan Williams, a founding member of the Cheahmill Chapter, who died October 3. She helped design and plant this garden. For 22 years, she organized monthly work parties to

### IMPORTANT NOTE TO FIELD TRIP PARTICIPANTS

Field trips take place rain or shine, so proper dress and footwear are essential. **BRING WATER AND LUNCH.** Trips may be strenuous and/or hazardous. Participation is at your own risk. Be prepared to sign a release form indicating this. A sample waiver form is available at [http://npsoregon.org/documents/NPSO\\_waiver.pdf](http://npsoregon.org/documents/NPSO_waiver.pdf). Please contact the trip leader or chapter representative about difficulty, distance, and terrain to be expected on field trips. Dogs are not allowed. All NPSO field trips are open to the public at no charge (other than contribution to carpool driver) and newcomers and visitors are always welcome. You must pre-register for all events. National Forests require a Northwest Forest Pass for some field trip locations. Permits can be acquired at forest headquarters and ranger districts.

### NOTICE TO FIELD TRIP CHAIRS AND LEADERS

The Forest Service and other agencies have set policies limiting group size in many wilderness areas to 12. The reason is to limit human impacts on these fragile areas. Groups using wilderness areas should be no larger than 12. A trip leader checklist and sample waiver form are available at: <http://npsoregon.org/calendar.html>

tend the garden. A short ceremony will dedicate the garden to her memory; for the particulars, email Marna Porath at [livesimplymarna@frontier.com](mailto:livesimplymarna@frontier.com).

**January 26, Thursday, 7 pm**

### Program: Roadside Vegetation Management.

Kareen Sturgeon, Dave Hanson, Susan Aldrich-Markham, and Michal Wert will discuss Yamhill County's new roadside vegetation management plan. Yamhill County formed a group to assist the Public Works Department protect critical habitat for the endangered Fenders blue butterfly, its host plant Kincaid's lupine, and many other species found along public roads. The resulting plan promotes managing roadside vegetation in a safe, efficient, economical and ecologically sound manner. There will be opportunity for others to identify roadsides needing protection. Social time at 6:45.

**January 28, Saturday, 10 am-noon**

### Work Party: Native Plant Garden.

Join NPSO volunteers tending the native plant garden at McMinnville Public Library. Dress for the weather and bring gloves, bucket and gardening tools if possible. For more information, contact Catie Anderson at [catie.fishback@gmail.com](mailto:catie.fishback@gmail.com) or 503-435-2401.

## Corvallis

*For questions, information on upcoming events, or to be on the Corvallis chapter email list, contact [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org).*

**December 12, Monday, 6:30 pm**

### Program: Winter Celebration and

**Slide Show.** Bring a snack to share as we socialize. Bring 15 slides to show and plan to limit sharing to ten minutes. Location: home of Loren Russell, 3420 SW Willamette Ave., Corvallis. For information call 541-753-0012 or 541-752-7558 or email [judi.sanders@gmail.com](mailto:judi.sanders@gmail.com).

**January 9, Monday, 7:30 pm**

**Program: Lessons from Old Coastal Forests — Some Uses of Early Timber Cruise Data.** Don Zobel, retired OSU

ecology professor, has used early 1900s timber cruise data from two coastal counties to answer several types of questions: what were original tree species distributions, what factors appear to have caused them, how can we use that information now, and how could knowing a distribution help answer an anthropological question. **New Meeting Location:** Cordley Hall at OSU, Room 2087. For more information contact judi.sanders@gmail.com or Louise Marquering, 541-753-0012.

## **Emerald**

Visit the Emerald Chapter Web site at <http://emerald.npsoregon.org> to learn more about the latest chapter events, plant lists & botanical information about Lane County plants & the people who love them.

**New Meeting Location:** The Stellaria Building, 150 Shelton-McMurphey Boulevard, Suite 104, Eugene. Head east on West 3rd Avenue until it turns into Shelton-McMurphey Boulevard. Stellaria is inside Hummingbird Wholesale.

**December 15, Thursday, 7 pm**

**Event: Holiday Social and Picture Show.** Bring 10 to 12 digital photos and a snack to share if you wish. Come and socialize with others who share your interest in native plants. Location: The Stellaria Building, 150 Shelton-McMurphey Blvd., in Eugene just south of Skinner Butte. See above for details.

**January 19, Thursday, 7 pm**

**Program: Burning for Butterflies, Birds, and Blooms.** Amanda Stamper, Oregon fire management officer for the Nature Conservancy, discusses the ecological role of fire in the Willamette Valley. She delves into the history of fire in the Valley and how prescribed burns are being used to restore and conserve native habitats. Amanda has worked in fire management on the Deschutes and Ochoco National Forests and studied Natural Resources Fire Ecology at Oregon State University and the University of Idaho. Meeting Location: 150 Shelton-McMurphey Boulevard in Eugene just south of Skinner Butte. See above for details.

## **Filipendula**

*This is a newly formed chapter for the northern Oregon coast area. For more information, visit our Facebook page: NPSO-Filipendula Chapter, or contact Field Trip Chair Carla Cole, [colecara@yahoo.com](mailto:colecara@yahoo.com).*

## **High Desert**

*For information, visit the High Desert Chapter website: [www.highdesertnpsoregon.org](http://www.highdesertnpsoregon.org) and Facebook page: Native Plant Society of Oregon: High Desert Chapter, or email [highdesertnps@gmail.com](mailto:highdesertnps@gmail.com).*

## **Klamath Basin**

*For information on the Klamath Basin Chapter, visit <http://klamathbasinnps.com> or contact the chapter president, Kim Elliott, [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org). 252.*

## **Mid-Columbia**

*For information on the Mid-Columbia Chapter, contact Sara Wu at [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org).*

**December 15, Thursday, 6 pm**

**Event: Holiday Social, Potluck, and Picture Show.** Bring a dish to share and pictures of your year's botanical adventures and finds. Please note the earlier starting time and different location: The Dalles Art Center, 220 E 4th Street at the corner of 4th and Washington Sts, downtown. For more information contact Carolyn at 541- 506-5001.

## **Portland**

*If you would like to receive the chapter's semi-official email newsletter, The Calochortus, email Don Jacobson at [donjphoto@gmail.com](mailto:donjphoto@gmail.com).*

**Facebook: Take a look at our Facebook page.** Native Plant Society of Oregon-Portland-Chapter. It will have the most up-to-date information on hike and other events as well as great plant pictures.

The Portland Chapter meets the second Thursday of most months. Meetings and programs begin at 7:00 pm. **MEETING PLACE: TaborSpace at Mt. Tabor Presbyterian Church, 5441**

SE Belmont St., Portland. We will meet in **Copeland Commons**; enter the church through the main door off Belmont and turn right to enter the room. Parking is available in the church lot on the NW corner of SE 54th and Belmont.

**January 12, Thursday, 7 pm**

**Program: Soil! --- What It Is & How It Works.** It's ALL about soil! Most people only have a vague idea of what soil is and how it works. You will learn more than you ever thought possible from this lecture: the reason you are alive, what nutrients are, and how soil stores water and nutrients. James Cassidy, OSU soil scientist, also discusses the connection between native plants of the Columbia Gorge and the soil they grow in. Meeting location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church, see above for details. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

**February 9, Thursday, 7 pm**

**Program: Sometimes to Save a River You Have to Buy It.** The Western Rivers Conservancy has been working to conserve and protect lands on more than 48 rivers in eight western states. This presentation by Jim Cox, director of donor relations, and Josh Kling, assistant program director, will focus on river acquisitions in Oregon and Washington, with information on native plants of interest around these areas. Meeting location: Copeland Commons, TaborSpace, Mt. Tabor Presbyterian Church. See above for details. Contact: Mary at [alphiesmith@comcast.net](mailto:alphiesmith@comcast.net) or 503-288-4340.

## **Siskiyou**

*To join the Siskiyou Chapter email list: Send an email, from the address at which you want to receive announcements, to [announce-join@siskiyou.npsoregon.org](mailto:announce-join@siskiyou.npsoregon.org). No subject or message is required. You will get a confirmation email. If you would like to volunteer to lead a hike in 2017, make a suggestion, or provide feedback regarding the field trip program, please contact Julie Spelletich at: [jspelletich@gmail.com](mailto:jspelletich@gmail.com). Join us on Facebook at: [facebook.com/SiskiyouChapterNativePlantSocietyOfOregon](https://facebook.com/SiskiyouChapterNativePlantSocietyOfOregon).*

**January 19, Thursday, 7 pm**

**Program: Rimrock, Playas, Petroglyphs and Pronghorns — a Botanical Survey of the Playa Lakes of Hart Mountain and Sheldon Wildlife**

**Refuges.** Dr. Dennis Albert will focus on botanical surveys of playa lakes conducted during the spring and summer of 2012 and 2016. Dennis Albert is a research professor in the Horticulture Department at Oregon State University, where his research has focused on wetland restoration and native plant marketing. Dr. Albert wrote the Ecological Overview in the recently published *Flora of Oregon, Volume 1*. Refreshments at 6:45 pm, meeting and program at 7:00 pm. Location: Southern Oregon University Science Building, Room 161. Free and open to the public. For information contact Dave at 541-535-5355.

## South Coast

*This is a newly formed chapter. For*

*more information, contact the chapter president, Alexis Brickner, [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org).*

## Umpqua Valley

*Visit [umpquavalleynativeplants.com](http://umpquavalleynativeplants.com) for more information on chapter activities or to be added to our email list. Check out our Facebook page, [www.facebook.com/UmpquaValleyNPSO](http://www.facebook.com/UmpquaValleyNPSO). Not online - call Donna Rawson 541-459-2821.*

## Willamette Valley

*For program information, contact John Savage at 503-399-8615 or Alexandra Ninneman at 503-391-4145.*

**January 12, Thursday, 6 pm**

**Program: Vanishing Landscapes — Saving Our Native Plants and Habitats.**

The Willamette Valley has lost more than 95% of its historic prairies, riparian, and savanna habitats in a mere 150 years. Lynda Boyer, restoration biologist and native plant manager at

Heritage Seedlings Inc., will explain how to integrate native plants from these habitats into our garden designs and public spaces to support backyard pollinators, birds, and critters. Location: Eco-Hub on the first floor of the Willamette Heritage Center, 1313 Mill Street SE in Salem. Free and open to the public. For information, contact [info@straubenvvironmentalcenter.org](mailto:info@straubenvvironmentalcenter.org) or call 503-302-4645.

## William Cusick

*Visit our Web site at <http://williamcusick.npsoregon.org> or contact Susan Geer at 541-963-0477 or Emelie Montgomery-Jones at 541-963-3339 for updates and general information. Chapter notices and communications are done primarily through a Google group. Members are reminded to contact Susan or Emelie if they want to be added to the Google group, or if they do not have internet access and want to be contacted by phone for events.*

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# A Naturalist's Guide to the Hidden World of Pacific Northwest Dunes

George Poinar, Jr. 2016. ISBN 978-0870718540. 286 pp. Oregon State University Press, Corvallis, Oregon. Paper. \$24.95

*Review by Kathleen Sayce, Filipendula Chapter*

*For more NPSO book reviews, visit [npsoregon.org/bookreviews.html](http://npsoregon.org/bookreviews.html)*

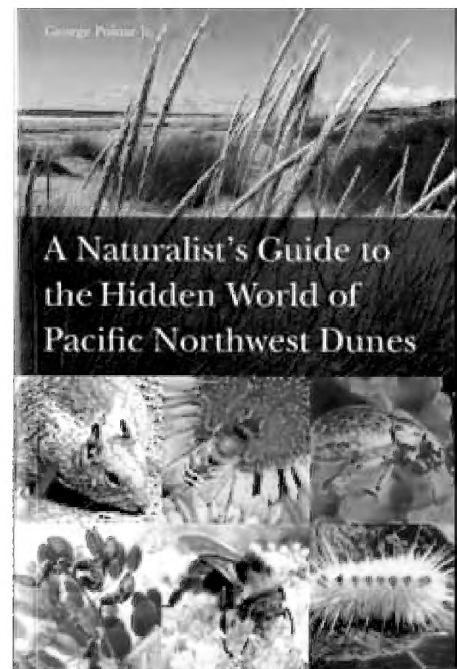
This book is a great addition to a bookshelf of coastal field guides because, plant by plant, it describes herbivorous insects that live on common coastal plants, and their insect predators and parasites. The herbivores also include a few mammals. Growing up on the beach, I pored over kelp tangles and driftwood, and wondered what the bugs were that hopped off, flew away or burrowed for cover. Fifty years later, here's the book to help name those bugs.

George Poinar, Jr., received his Ph.D. at Cornell, with an emphasis on entomology, botany, plant pathology, and vertebrate zoology. He taught at

University of California, Riverside and Berkeley, and was adjunct faculty at Oregon State University. He popularized the concept of extracting insect DNA from amber, which was adapted by Michael Crichton for his Jurassic Park books and movies. He has written several books about amber, fossil insects, and fossil insect communities, including *Lebanese Amber* (2001). Sea coast insect communities on plants are a lifelong interest.

The book is organized by plant communities, starting with kelp tangles and driftwood on the tidal beach, progressing up the beach to open sand plant species, and to dunes. Sixty plants are featured, counting kelp tangles and driftwood each as a "plant community." Plants are grouped loosely by abundance within each community, with most abundant species featured first. In the dune section, the most abundant are [exotic] marram grass (*Ammophila arenaria*) and American dune grass (*Leymus mollis*) and the

least abundant is springbank clover (*Trifolium wormskjoldii*). The author illustrated the descriptions of each plant and its community of insects  
*continued on page 6*



OSU PRESS

# New NPSO Members

Please welcome these new members who joined NPSO between June 13, 2016 and November 25, 2016.

## Cheahmill

Karen Brenner

## Corvallis

Dawn Anzinger  
Kyle Bergmann  
Doris Delespinasse  
Katherine Lux

## Emerald

Patricia Atkins  
Christine Guerts  
Ellen Jean Harman  
Molly Juillerat  
Rebecca Riley  
Lisa J. Schore  
Bill Stone  
Debra Warner

## Filipendula

William G. Kirk

## High Desert

Regina Erlenbusch  
Amanda Hinchman

## Members At Large

Wynne Furth  
Patricia Phillips

## Portland

Ann Anderson  
Gretchen Baller  
Gary Bouffard  
Benjamin Chan  
Dianna Choi  
Kristianne Cox  
Maureen Culligan  
Nancy Ege  
Monica Grasty  
Brenda Hamilton  
David Paul B. Hedberg  
Mary Hepokoski  
Thomas Humphrey  
Noah Jenkins  
Robert Johnson  
Ann Littlewood  
Darvel Lloyd  
Kristopher Marks  
Kathleen Mullen

## Portland, continued

Christina Peterson  
Rebecca Rainey  
Leslie Ray  
Jeffery Rush  
Catherine Sherraden  
Beth Skaggs  
Brittany Wehrle  
Fay Westenhofer  
Dennis W. Woodland  
Kari Yadro

## Siskiyou

Lee Finney  
Katherine Hill  
Stacy Johnson  
Eliza Kauder  
Pat & Frank Nichols

## Umpqua Valley

Medicine Flower  
Vicki Barrett

## Willamette Valley

Ann Chetok  
Jessica Kolman  
Debbie Miller

Naturalist's Guide, *cont'd from page 5* with outstanding photos. These photos elevate this book from an interesting read to an indispensable field guide. In addition, he has compiled a reference table for each plant's community of insects, including herbivores, predators, and parasites. A glossary in the back covers both botanical and entomological terms. Plant nomenclature is based on *The Jepson Manual*.

Some plants have complex food webs of insects living on and around them, while others are associated with only aphids and a fly or two. Such is the contrast of insects associated with shore pine (*Pinus contorta* var. *contorta*) or coast willow (*Salix hookeriana*) to those of beach silver top (*Glehnia littoralis*). Poinar considers the first two to be keystone species, which harbor insect communities composed of more than a dozen species and include herbivores, predators, and parasites.

One of the most striking photos

portrays an orchid pollinium on the leg of a mosquito in the section on bog rein orchid (*Platanthera leucostachys* [synonym of *Platanthera dilatata* var. *leucostachys*]) on page 234. There has been considerable discussion recently about the role of (annoying, biting, disease-carrying) mosquitoes in the ecosystem. I was pleased to see proof that these small nectar-sipping insects function as pollinators.

There are a few errors. Despite the title, the scope includes a number of plants that grow only in California, including an Indian paintbrush (*Castilleja exserta*). The diverse dune community of rushes is condensed into one species labeled "Dune Rush, *Juncus effusus*." The rushes shown in photos include *Juncus falcatus* and *J. lesueurii*. The list of insects on springbank clover includes a "flower butterfly" (*Plebejus saepiolus*), which is more commonly called greenish blue butterfly. In the section on coastal sagewort (*Artemisia*

*pycnocephala*), the range for California ground squirrel (*Spermophilus beecheyi*) includes Washington. North of the Columbia River, this squirrel is not coastal; it lives in the Gorge. Deer, mentioned many times as grazing on various plants, are identified as white-tailed deer (*Odocoileus virginianus*); this species does not come close to the coast except along the Columbia River. Black-tailed deer (*Odocoileus hemionus columbianus*) is common on beaches throughout the Pacific Northwest, and the photo shows black-tailed deer.

But these are trivial errors. The strength of the book is in its photos and descriptions of insects that live on common plants of dunes, beaches, and drift. I recommend it to anyone who wants to learn the bugs on seaside plants, or anyone who has curious children or grandchildren with whom they can share the wonders of nature.

# NATIVE PLANT SOCIETY OF OREGON MEMBERSHIP FORM

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Phone \_\_\_\_\_ E-Mail \_\_\_\_\_  
Chapter (if known) \_\_\_\_\_

Is this a change of address? If so, please write your old address here:

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☐ Check to receive electronic *Bulletin*, sent by email in lieu of paper.

Please make checks for dues and contributions payable to:

NATIVE PLANT SOCIETY OF OREGON

Send completed form and full remittance to:

**Native Plant Society of Oregon**  
**P.O. Box 80714**  
**Portland, OR 97280**

DUES include monthly *Bulletin* and *Kalmiopsis* when published.

**Membership is for the calendar year. New memberships enrolled after July 1 include the following year.**

- ☐ New ☐ Renewal  
☐ Student – \$12 ☐ Regular – \$25 ☐ Family – \$35  
☐ Sustaining – \$60 ☐ Patron – \$125 ☐ Life Membership – \$500  
☐ Subscription Only (*Bulletin* and *Kalmiopsis*) – \$25 *Only for those who wish to subscribe, but do not want to have full membership status.*

**CONTRIBUTIONS** to NPSO are tax deductible.

Jean Davis Memorial Scholarship Fund \$ \_\_\_\_\_  
Leighton Ho Memorial Field Botany Fund \$ \_\_\_\_\_  
Augusta Rockafellar Memorial Scholarship \$ \_\_\_\_\_  
Rare and Endangered Plant Conservation Fund \$ \_\_\_\_\_  
Friends of the Oregon Flora Project \$ \_\_\_\_\_

**Membership in the Native Plant Society of Oregon is open to all.**

**Membership applications, renewals and changes of address (include old address) should be sent to the Membership Chair. Changes of address may also be e-mailed to [Membership@NPSOregon.org](mailto:Membership@NPSOregon.org).**

## OFFICERS & COMMITTEE CHAIRS

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SECRETARY..... Steven Yeager..... [secretary@NPSOregon.org](mailto:secretary@NPSOregon.org); 541-521-3964  
TREASURER..... Cyndi Dion ..... 897 Hillview Dr., Ashland, OR 97520-3517; [treasurer@NPSOregon.org](mailto:treasurer@NPSOregon.org); 541-482-8603

### CHAPTER PRESIDENTS

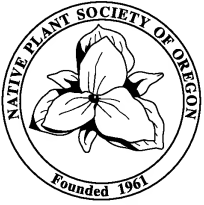
CHEAHMILL ..... Lisa Blackburn ..... [ch\\_president@NPSOregon.org](mailto:ch_president@NPSOregon.org); 503-538-3976  
CORVALLIS..... Judi Sanders ..... [co\\_president@NPSOregon.org](mailto:co_president@NPSOregon.org)  
EMERALD (Eugene)..... Steven Yeager..... [em\\_president@NPSOregon.org](mailto:em_president@NPSOregon.org); 541-521-3964  
FILIPENDULA ..... Kathleen Sayce ..... [fi\\_president@npsoregon.org](mailto:fi_president@npsoregon.org); 360-665-5292  
HIGH DESERT (BEND)..... Amy Rosendahl..... [hd\\_president@NPSOregon.org](mailto:hd_president@NPSOregon.org)  
KLAMATH BASIN..... Kim Elliott..... [kb\\_president@NPSOregon.org](mailto:kb_president@NPSOregon.org); 541-331-5704  
MID-COLUMBIA ..... Sara Wu ..... [mc\\_president@NPSOregon.org](mailto:mc_president@NPSOregon.org)  
PORTLAND..... Linda Hardie..... [po\\_president@NPSOregon.org](mailto:po_president@NPSOregon.org); 503-309-8810  
SISKIYOU ..... Kristi Mergenthaler ..... [si\\_president@NPSOregon.org](mailto:si_president@NPSOregon.org); 541-941-3744  
SOUTH COAST ..... Alexis Brickner ..... [sc\\_president@NPSOregon.org](mailto:sc_president@NPSOregon.org)  
UMPQUA VALLEY (Roseburg)..... Neal Hadley ..... [uv\\_president@NPSOregon.org](mailto:uv_president@NPSOregon.org); 541-679-8889  
WILLAMETTE VALLEY (Salem) ..... John Savage ..... [wv\\_president@NPSOregon.org](mailto:wv_president@NPSOregon.org); 503-399-8615  
WM CUSICK (La Grande) ..... Susan Geer ..... [wc\\_president@NPSOregon.org](mailto:wc_president@NPSOregon.org)

### STATE COMMITTEE CHAIRS

BUDGETS AND GRANTS ..... Dan Luoma..... 5 NW Edgewood Dr., Corvallis, OR 97330; 541-752-8860  
CONSERVATION, EAST SIDE..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
CONSERVATION, WEST SIDE..... vacant.....  
FRIENDS OF OR FLORA PROJECT Linda Hardison..... 2082 Cordley Hall, Corvallis, OR 97331-2902; [hardisol@science.oregonstate.edu](mailto:hardisol@science.oregonstate.edu); 541-737-4338  
LEGISLATIVE ..... Billy Don Robinson ..... [bdmeme@gmail.com](mailto:bdmeme@gmail.com); 503-515-1708  
MEMBERSHIP..... Matt Morales ..... P.O. Box 80714, Portland, OR 97280; [membership@NPSOregon.org](mailto:membership@NPSOregon.org)  
NPSO FELLOWS..... Cindy Roché and Kareen Sturgeon ..... [fellows@npsoregon.org](mailto:fellows@npsoregon.org)  
RARE & ENDANGERED PLANTS .... Jason Clinch..... [rareplants@npsoregon.org](mailto:rareplants@npsoregon.org)

### PUBLICATIONS

BULLETIN EDITOR..... Erika Wedenoja..... [bulletin@NPSOregon.org](mailto:bulletin@NPSOregon.org)  
BULLETIN PRODUCTION ..... Cat Mead ..... [cat@featherforge.com](mailto:cat@featherforge.com)  
PUBLICATIONS COMMITTEE CHAIR Cindy Roché..... [kalmiopsis@NPSOregon.org](mailto:kalmiopsis@NPSOregon.org)  
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## Friends of the Oregon Flora Project

Since our launch of the sponsorship campaign at the July Annual Meeting, we have received \$9,570 to support the completion of the *Flora of Oregon*. Donations have come from the following chapters and their members: Cheahmill, Corvallis, Emerald, Portland, Umpqua Valley, and Siskiyou. Kudos to the Umpqua, Portland, and Emerald chapters for meeting – or exceeding – the challenge amount of \$1,000! We hope this generous show of support inspires other chapters to join in the effort to fund our flora-writing effort.

Is there a business you frequent, or another organization you belong to that would benefit from the information and tools the OFP provides? Tell them about this opportunity to make a difference!

Remember, we are challenging each chapter to identify individuals, groups, and businesses to become new supporters of the *Flora of Oregon* and help us meet our \$13,000 goal by the end of January. In addition to a certificate of appreciation, donors' support will be acknowledged with the publication of their name (and those honored with a sponsorship) in the front pages of the corresponding volume.

Send your sponsorship choices and contribution to: Oregon Flora Project, Dept. Botany & Plant Pathology, Oregon State University, Corvallis, OR 97331-2902. Please make checks payable to the Agricultural Research Foundation, attn.: OFP.